

SCHIFF BASES COMPENDIUM

Compound 1	Mol Wgt	Compound 2	Mol Wgt	AKA - Other Names	Formula to make Schiff base	Hours	Odor Profile	CAS #	Usage Level	Odor Strength	Potential Uses / Notes 1	Potential Uses / Notes 2
alpha-amyl cinnamaldehyde	202.29	Methyl Anthranilate	151.16	Jasmea, Seringone	202.29 : 151.16	308	fresh floral fatty waxy	67924-13-4	5%	Medium	gardenia, jonquil narcissus jonquilla, lilac lilas syringa, Muguet, Lily of the Valley, Rose	
lilial	204.308	Methyl Anthranilate	151.16	Verdantiol, Lilyantine	204.3 : 151.16	400	Linden-Orangeflower fresh green orangeflower lily citrus hydroxycitronellal	91-51-0	5%	Medium	Use: Verdantiol offers an intense floral note to delicate flower type creations, such as neroli, orange blossom, narcissus, frangipani and plumeria. Excellent fixative value on all supports.	
cyclamen aldehyde	190.28	Methyl Anthranilate	151.16	CYCLANTINE	190.28 : 151.16	208	fresh lily of the valley neroli orange flower, SWEET, FRESH- FLORAL	91-50-9	6%	Medium	Very good in citrus blends. Chanel #5, Berry, Citrus, Grape, jonquil narcissus jonquilla, lilac lilas syringa, Muguet, Lily of the Valley, Lily, Neroli, Orange Blossom, Strawberry, melon watermelon muskmelon cantaloupe	
hydroxycitronellal	172.26	Methyl Anthranilate	151.16	Aurantiol, Auralva, AURANTINE, Aurantion, aurtantesin, orangeol, Orantha L Super	172.26 : 151.16	400	Floral, Orange flower, Linden- Blossom	89-43-0	8%	Medium	Aurantiol is perhaps the best known Schiff base and is extensively used in a large variety of floral notes such as orange-blossom, linden-blossom and tuberose. Used in citrus cologne types, it acts as an excellent fixative as well as exalting the top notes. It gives an oriental character when used in amber an chypre compositions and blends particularly well with macrocyclic musks. Very good in Carnation	acacia cassie farnesiana, amber, berry, bubble gum, carnation dianthus oeillet, chypre, citrus, fern fougere, gardenia, grape, hibiscus, honey miel, honeysuckle chevrefeuille, hyacinth jacinthe, jasmin, lavender, lilac lilas syringa, lily, linden blossom limeflower tilleul, magnolia, mandarin, meadow country, melon watermelon muskmelon cantaloupe, muguet lily of the valley, narcissus narciss, neroli, orange blossom, oriental, rose, tuberose, ylang ylang
hydroxycitronellal	172.26	Indole	117.15	2,6- dimethyl-8-(1H-indol-1-yl)-7-octen-2-ol	172.26 : 117.15	400		68527-79-7				
Helional / Ocean Propanal	192.21	Methyl Anthranilate	151.16	Helioforte aquantraal	192.21 : 151.16	400	fresh green floral orangeblossom ozone leafy cortex sweet fresh floral	111753-60-7	5%	Medium	Giorgio's canary-yellow color is due to a small dose of a Schiff base between anthranilate (grape) and the aldehyde helional (a fresh, pale metallic smell). agrumen,aldehydic, alpine bouquet, animal FR, apple blossom FR, apple green FR, ash mountain ash, bark, blueberry FR, blueberry whortleberry red whortleberry, boronia FR, bouquet FR, boxwood, boxwood blossom, boysenberry FR, bramble arctic bramble blackberry, burberry, Cabreuva FR, cedar forest FR, champaca champak FR, cherry wild cherry, chestnut blossom, cilantro FL/FR, clean, clematis FR, cloudberry bakeapple, clover trefle le'trefle incarnate FR, colonia FR, cortex, crabapple blossom FR, cranberry FR, cucumber FR, cyclamen FR, daffodil narcissus FR, diorella, dry, eglantine sweet briar FR, evergreen FR, exotic, fagonia FR, fantasy blends, fern fougere FR, fir balsam FR, fir needle pine needle FL/FR, fixer, floral FR, foliage, forest FR, galbanum FL/FR, gooseberry FR, grapefruit FR, green FR,	Continued: green leaf FR, hay new mown hay foin coupe FR, herbal FR, hinoki FR, hollyberry FR, honeysuckle chevrefeuille FR, huckleberry bilberry FR, iris blossom, ivy FR, jackfruit, jasmin FR, juniper berry FR, kiwi FR, kiwi blossom, leather FR, lemon FR, lettuce, lily FR, lily water lily, lime FR, linden blossom limeflower tilleul FR, loganberry dewberry FR, lotus FR, lychee FR, magnolia FR, mango FR, mango flower FR, meadow country FR, melon watermelon muskmelon cantaloupe, muguet lily of the valley FR, mulberry FR, narcissus narcissis FR, natural, new car, ocean sea, orange bitter FL/FR, orange blossom FR, orchid FR, oriental FR, outdoors fresh FR, ozone, pansy FR, papaya FR, paper, passion fruit FR, peach FR, peach blossom FR, pear FR, pear prickly pear, petunia FR, phlox FR, pine FR, poppy, privet blossom, quince FR, rain spring FR, reseda mignonette FR, rhubarb FR, rose moss FR, rose tea rose FR, rose white FR, rose wild rose, saffron FR, starfruit, stephanotis FR, tulip FR, verbena FR, violet FR, watery woody FR, yew
Triplal / ivy carbaldehyde	138.2	Methyl Anthranilate	151.16	Vertosine Aqrumea ligantraal	138.2 : 151.16	400	Green, floreal, herbaceous, citrusy, lemon and mandarin note, Fresh-green, narcotic with nuances reminiscent of orange- blossom, intense green, floral- aldehydic, reminiscent of the green note of broom (genet)	68738-99-8	4%	Medium	Stable in: <i>body lotion (good), shampoo (good), soap (poor), ap roll-on (good), powder (good), cleaner citric (good), cleaner apc (good), bleach (poor).</i> Balsam, Citrus, fir, fresh & clean, gardenia, genet genista broom, green, herbal, honeysuckle chevrefeuille, jasmin, leaf, lily, linden blossom limeflower tilleul, mimosa, narcissus narcissis, natural orange blossom, peel, pine, tuberose	Vigon \$159/Kg \$69/5Kg
Triplal / ivy carbaldehyde	138.2	Ethyl Anthranilate	165.19	Agrea	138.2 : 165.19	400	Green, fresh green herbal leafy cortex natural	68228-09-1	5%	Medium	cortex, fixer, floral, green, herbal, leaf	
2,4 - ivy carbaldehyde, Triplal, Ligustrol, Cyclal C, vertocitral, Hivertal	138.2	Methyl Anthranilate	151.16		138.2 : 151.16	268	fresh aldehydic green natural cortex leafy narcissus	68845-02-3	4%	Medium	floral, green, hyacinth jacinthe, hydrangea, lilac lilas syringa, magnolia, muguet lily of the valley	
Decanal / aldehyde C-10	156.26	Methyl Anthranilate	151.16	Decimea methyl decylidene aminobenzoate	156.26 : 151.16	172	fresh fatty waxy sweet dry orange blossom	67874-67-3	3%	High	aldehydic, citrus, floral, herbal, orient, woody	
Nonal / Aldehyde C-9	142.24	Methyl Anthranilate	151.16	Nonimea	142.24 : 151.16	400	sweet floral orangeflower rose aldehydic	72894-12-3	8%	Medium	Floral	Vigon \$151/Kg \$61/5Kg
Octanal / Aldehyde C-8	128.21	Methyl Anthranilate	151.16	Ocmea, anthranilic acid N-octylidene methyl ester	128.21 : 151.16	400	Fresh floral grape oily fatty sweet floral orangeflower rose	67801-44-9	10%	Medium	citrus, floral, fruit, grape, herbal, Mandarin, peony, tangerine, tropical	
Isononal	142.24	Methyl Anthranilate	151.16	ISONOMILAT 258 E	142.24 : 151.16	400	aldehydic	67801-42-7	3%	Medium	Floral	Vigon \$151/Kg \$61/5Kg

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Benzaldehyde	106.12	Methyl Anthranilate	151.16	Amandolene liquid 21060, Methyl ((phenyl methylene)amino) benzoate	106.12 : 151.16	400	BITTER ALMOND, sweet benzaldehyde cherry fruity floral	37837-44-8	8%	Medium	bubble gum FR cherry FR cherry blossom
Lyral / Leeral	210.31	Methyl Anthranilate	151.16	lyrame lyrame super lyrantion	210.31 : 151.16	400	fresh lily floral sweet orangeblossom, Floral, Muguet	67634-12-2	5%	Medium	Tenacious floral absolute odor with a very sweet, orange blossom profile. Increases the substantivity of a fragrance and provides fixation and floralcy. Vigon \$153/Kg \$63/5Kg
Para-anisaldehyde	136.14	Methyl Anthranilate	151.16	Acaciol (Prodasynt Corp.)	136.14 : 151.16	204	sweet hawthorn mimosa sweet powdery	14735-72-9	6%	Medium	acacia cassie farnesiana, almond, amber, ambrene, angel, anise, apple, apres l'ondee, apricot, balsam, banana, benzoinett, bluebell, boronia, bouquet, buchu, bitterscotch, cassia, cherry, cherry blossom, christmas blends, chypre, clover trefle le'trefle incarnat, coconut tropical, cologne, crabapple blossom, decumaria, elder flower, fennel, fern fougere, floral, gardenia, genet genista broom, ginger white, gooseberry, grape, grass sweet, hawthorn, hay new mown hay foin coupe, heliotrope, herbal, hibiscus, honey miel, honeysuckle, hops houblon, jasmin, jonquil narcissus jonquilla, lemon, lilac lilas syringa, lime, linden blossom limeflower tilleul, magnolia, melon watermelon muskmelon cantaloupe, mimosa, modern, nut walnut, orange, orchid, oriental, pear, peppermint, pineapple, powder, raspberry, sassafras, spearmint, strawberry, sweet pea, tuberose, valerian, vanilla, violet, wallflower, wisteria wistaria glycine, ylang ylang
Anisyl Propanal	178.23	Methyl Anthranilate	151.16	CANTHOXALIA	178.23 : 151.16	400	sweet anise hawthorn green floral cortex mimosa absolute spicy powdery	111753-62-9	8%	Medium	angel, anise, apple crabapple, apple red, apricot, balsam, banana, basil, bergamot, blackberry, blossom tropical blossom, blueberry, blueberry whortleberry red whortleberry, bouquet, boysenberry, butterscotch, cabreuva, cassia, cherry, cherry black, cherry blossom, chocolate cacao, christmas blends, chypre, colonia, cookie, cotton candy, crabapple blossom, cranberry, cucumber, currant, daffodil narcissus, eglantine sweet briar, fantasy blends, fennel, fern fougere, fetes, fig, fir balsam, fir needle pine needle, floral, forest, frangipanni plumeria, freesia, fruit dried fruit, gardenia, gooseberry, grape, hawthorn, heliotrope, herbal, hibiscus, honeysuckle chevrefeuille, hyacinth jacinthe, jackfruit, jam, jasmin, kiwi blossom, licorice, lilac lilas syringa, lily, linden blossom limeflower tilleul, loganberry dewberry, lychee, magnolia, mango, mango flower, marshmallow, meadow country, melon watermelon muskmelon cantaloupe, mimosa, muguet lily of the valley, mulberry, musk, nectarine, oakmoss mousse de chene moss, orange blossom, oriental, pansy, papaya, passion blossom, passion fruit, peach, peach blossom, peony, pineapple, plum, plum blossom, pomegranate, raspberry, raspberry black, redwood, rose, rose white, rose wild rose, starfruit, stock evening scented, strawberry, sweet pea, tobacco, toffee, tropical, tuberose, valerian, vanilla, violet, wallflower, wisteria wistaria glycine, woody
Citral	152.23	Methyl Anthranilate	151.16		152.23 : 151.16	260	fresh sweet lemon orangeflower fruity	67801-47-2	4%	Medium	citrus, lemon, lime, orange, topnotes
Phenyl acetaldehyde	120.15	Methyl Anthranilate	151.16		120.15 : 151.16	244	hyacinth green foliage floral mandarin sweet pea	67785-76-6	2%	Medium	acacia cassie farnesiana, aldehydic, artichoke, blackberry, carnation dianthus oeillet, cherry, cherry blossom, chocolate cocoa, cinq fleurs forvil, crabapple blossom, elder berry, evergreen, flower shop, frangipanni plumeria, fresh & clean, gardenia, genet genista broom, grapefruit, green, hyacinth jacinthe, jasmin, jonquil narcissus jonquilla, lilac lilas syringa, lily, magnolia, narcissus narcisse, neroli, orange, peach, pear, powder, pumpkin pie, raspberry, rose, sweet pea, tea, tea green, tobacco, verbena, wallflower
Citronellal	154.25	Methyl Anthranilate	151.16	Citronama	154.25 : 151.16	400	INTENSE, LEMON-CITRONELLA- ROSE, fresh citrus weedy grassy sharp woody	67845-42-5	2%	Medium	muguet lily of the valley, palmarosa
Empetal / Myrac Aldehyde / Carbaldehyde / myraldene	192.3	Methyl Anthranilate	151.16	methyl 2-[[4-(4-methylpent- 3-enyl)cyclohex-3-en-1- yl]methylideneamino]benz oate	192.3 : 151.16	400	fresh green clean citrus fruity hyacinth	93894-30-5	8%	Medium	citrus, cologne, green, herbal, hyacinth jacinthe, Lilac lilas syringa, muguet lily of the valley, violet, woody
Cinnamaldehyde / cinnamic aldehyde / cinnamal	132.16	Methyl Anthranilate	151.16	methyl 2-(cinnamylidene amino) benzoate	132.16 : 151.16	400	Spicy, sweet cinnamon cypress	94386-48-8	See Note 2	Medium	aldehydic, cassia, cinnamon, herbal, oriental, spice The concentration of Cinnamic aldehyde in the finished cosmetic product should not exceed 0.1%.
Cuminaldehyde	148.2	Ethyl anthranilate	165.19	Cumea, ethyl tert-butyl phenyl methylene aminobenzoate	148.2 : 165.19			94108-09-5	3%		