

# N,N'-Bis(salicylidene)ethylenediiminocobalt (II)

## Other names:

Salcomine  
N,N-Bis(salicylidene)ethylenediiminocobalt (II)  
Cobalt, [[2,2'-[1,2-ethanediylbis(nitrilomethylidyne)]bis[phenolato]](2-)-N,N',O,O']-, (SP,4-2)-  
(N,N'-Ethylenebis(salicylaldehyde iminato))cobalt (II)  
(N,N'-Ethylenebis(salicylideniminato))cobalt  
Cobalt, ((«alpha», «alpha»'-(ethylenedinitrilo)di-o-cresolato)(2-))-  
N,N'-Ethylenebis(salicylideniminato)cobalt (II)  
Salcomin  
Cobalt, N,N'-ethylenebis(salicylideneiminato)-  
Bis(salicylaldehyde)ethylenediimine cobalt (II)  
Salicylaldehyde ethylenediimine cobalt  
Salcomine powder  
N,N'-Bis(salicylidene)ethylenediiminocobalt  
(ethylenebis(nitrilomethylidyne)-2,2'-diphenolato)cobalt(II)

**Inchi:** InChI=1S/C16H14N2O2.Co/c19-15-7-3-1-5-13(15)11-17-9-10-18-12-14-6-2-4-8-16(14)20  
**InchiKey:** MZXRNYIQPBVOCS-UPGSNLJTSA-N  
**Formula:** C16H14CoN2O2  
**SMILES:** Oc1cccc1C=NC=CN=Cc1cccc1O.[Co]  
**Mol. weight [g/mol]:** 325.23  
**CAS:** 14167-18-1

## Physical Properties

Property code	Value	Unit	Source
ie	7.52 ± 0.06	eV	NIST Webbook

## Sources

**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=C14167181&Units=SI>

## Legend

**ie:** Ionization energy

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