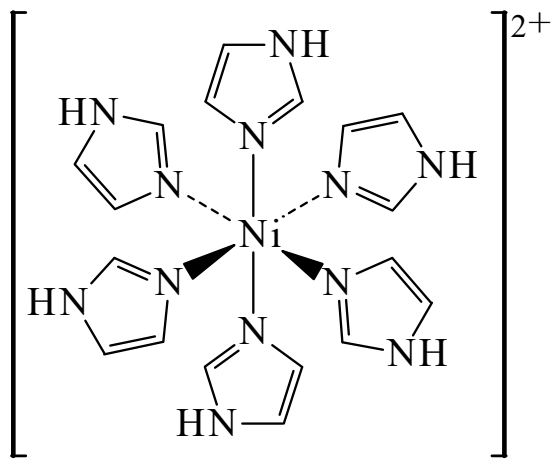
>>**Entry Name: Hexakis(1*H*-imidazole-N^3)nickel(*II*)(2+),** 9Cl



Related CAS Registry Numbers(s): 54161-73-8 54161-74-9 54161-75-0 56792-45-1

Molecular Formula: $C_{18}H_{24}N_{12}Ni^{2(+)}$
Molecular Weight: 467.158
Accurate Mass: 466.160034
Percentage Composition: C 46.28%; H 5.18%; N 35.98%; Ni 12.56%

>>**Derivative:** Dichloride
Synonym(s): Nickel(*II*) chloride hexakis-imidazole

CAS Registry Number: 15751-00-5
Molecular Formula: $C_{18}H_{24}Cl_2N_{12}Ni$
Molecular Weight: 538.063
Accurate Mass: 536.097738
Percentage Composition: C 40.18%; H 4.50%; Cl 13.18%; N 31.24%; Ni 10.91%
Physical Description: Violet cryst.
Melting Point: Mp 260°
Solubility: Sol. EtOH
Other Data: $\mu_{eff} = 3.21\mu_B$. Also obt. as mono and tetrahydrates

>>**Derivative:** Dibromide

CAS Registry Number: 22678-29-1
Molecular Formula: $C_{18}H_{24}Br_2N_{12}Ni$
Molecular Weight: 626.966
Accurate Mass: 624.036706
Percentage Composition: C 34.48%; H 3.86%; Br 25.49%; N 26.81%; Ni 9.36%
Physical Description: Violet cryst.
Melting Point: Mp 270°
Solubility: Sol. EtOH
Other Data: $\mu_{eff} = 3.14\mu_B$. Also obt. as tetrahydrate

>>**Derivative:** Diiodide

CAS Registry Number: 22678-30-4
Molecular Formula: $C_{18}H_{24}I_2N_{12}Ni$
Molecular Weight: 720.967
Accurate Mass: 719.96898
Percentage Composition: C 29.99%; H 3.36%; I 35.20%; N 23.31%; Ni 8.14%
Physical Description: Violet cryst.
Melting Point: Mp 273°
Solubility: Sol. EtOH
Other Data: $\mu_{eff} = 3.13\mu_B$

>>**Derivative:** Bis-tetrafluoroborate

CAS Registry Number: 27642-54-2
Physical Description: Lavender cryst.
Melting Point: Mp 235-236°
Solubility: Sol.EtOH