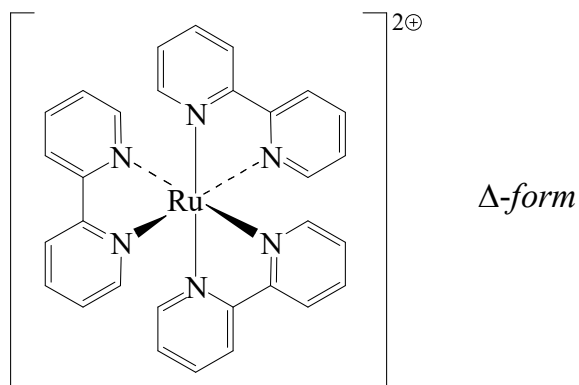




>>Entry Name: Tris(2,2'-bipyridine-*N,N'*)ruthenium(II)(2+)

Synonym(s): Tris(2,2'-bipyridyl)ruthenium



CAS Registry Number: 15158-62-0

Molecular Formula: $C_{30}H_{24}N_6Ru^{2+}$

Molecular Weight: 569.63

Accurate Mass: 570.110592

Percentage Composition: C 63.26%; H 4.25%; N 14.75%; Ru 17.74%

Use/Importance: Acts as a dye for the photosensitisation of semiconductor electrodes

>>Variant: Δ -form

Synonym(s): (-)-form

CAS Registry Number: 24162-12-7

Molecular Formula: $C_{30}H_{24}N_6Ru$

Molecular Weight: 569.63

Accurate Mass: 570.110592

Percentage Composition: C 63.26%; H 4.25%; N 14.75%; Ru 17.74%

>>Derivative: Dichloride

CAS Registry Number: 85908-80-1

Molecular Formula: $C_{30}H_{24}Cl_2N_6Ru$

Molecular Weight: 640.535

Accurate Mass: 640.048296

Percentage Composition: C 56.25%; H 3.78%; Cl 11.07%; N 13.12%; Ru 15.78%

Source/Synthesis: Synth. by resoln. of the ($\pm$)- dichloride with sodium antimony (+)-tartrate, followed by anion replacement on an anion-exchange resin

>>Variant: Λ -form

Synonym(s): (+)-form

CAS Registry Number: 52389-25-0

Molecular Formula: $C_{30}H_{24}N_6Ru$

Molecular Weight: 569.63

Accurate Mass: 570.110592

Percentage Composition: C 63.26%; H 4.25%; N 14.75%; Ru 17.74%

>>Derivative: Dichloride

CAS Registry Number: 85893-99-8

>>Variant: ($\pm$)-form

Molecular Formula: $C_{30}H_{24}N_6Ru$

Molecular Weight: 569.63

Accurate Mass: 570.110592

Percentage Composition: C 63.26%; H 4.25%; N 14.75%; Ru 17.74%

>>Derivative: Dichloride

CAS Registry Number: 14323-06-9