[Ir(cod)Cl]2

Cat. No.: HY-W008260

CAS No.: 12112-67-3

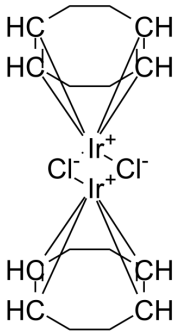
Molecular Formula: $C_{16}H_{24}Cl_2Ir_2$

Molecular Weight: 671.7

Target: Biochemical Assay Reagents

Pathway: Others

Storage: 4°C, protect from light, stored under nitrogen
* In solvent : -80°C, 6 months; -20°C, 1 month (protect from light, stored under nitrogen)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 50 mg/mL (74.44 mM; Need ultrasonic)

Preparing Stock Solutions	Mass / Solvent / Concentration	1 mg	5 mg	10 mg
	1 mM	1.4888 mL	7.4438 mL	14.8876 mL
	5 mM	0.2978 mL	1.4888 mL	2.9775 mL
	10 mM	0.1489 mL	0.7444 mL	1.4888 mL

Please refer to the solubility information to select the appropriate solvent.

In Vivo

1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
   Solubility: ≥ 2.5 mg/mL (3.72 mM); Clear solution
2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
   Solubility: ≥ 2.5 mg/mL (3.72 mM); Clear solution
3. Add each solvent one by one: 10% DMSO >> 90% corn oil
   Solubility: ≥ 2.5 mg/mL (3.72 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

[Ir(cod)Cl]2 is a biochemical reagent that can be used as a biological material or organic compound for life science related research.

In Vitro

[Ir(cod)Cl]2 is widely used as a precursor to other iridium complexes, which finds application in homogeneous catalysis like carbonylation, hydrosilylation, hydrofomylation, asymmetric allylic substitutions, metatheses is and chiral catalysis reactions. It is involved In the preparation of Crabtree's catalyst, which is used for hydrogenation and hydrogen-transfer reactions.
MCE has not independently confirmed the accuracy of these methods. They are for reference only.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898 Fax: 609-228-5909 E-mail: tech@MedChemExpress.com
Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA