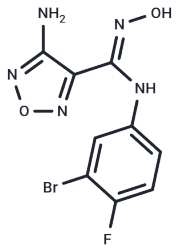
Data Sheet (Cat.No.T7181)

TargetMol

IDO-IN-1

Chemical Properties



CAS No. : 914638-30-5

Formula: C9H7BrFN5O2

Molecular Weight: 316.09

Storage: Store at low temperature
Powder: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.

Biological Description

Description	IDO-IN-1 is a potent indoleamine 2,3-dioxygenase (IDO) inhibitor with IC50 values of 59 nM for human IDO enzymatic activity and 12 nM for HeLa cell assays.
Targets(IC50)	IDO,Indoleamine 2,3-Dioxygenase (IDO)
In vitro	IDO-IN-1 is inactive against tryptophan 2,3-dioxygenase (TOD; IC50 > 10 μM).

Solubility Information

Solubility	DMSO: 682 mg/mL (2157.61 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 5 mg/mL (15.82 mM),Sonication is recommended. *Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.*

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.1637 mL	15.8183 mL	31.6366 mL
5 mM	0.6327 mL	3.1637 mL	6.3273 mL
10 mM	0.3164 mL	1.5818 mL	3.1637 mL
50 mM	0.0633 mL	0.3164 mL	0.6327 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Discovery of Potent Competitive Inhibitors of Indoleamine 2,3-Dioxygenase with in Vivo Pharmacodynamic Activity and Efficacy in a Mouse Melanoma Model[J]. Journal of Medicinal Chemistry, 2009, 52(23):7364-7367.