

ZX-J-19J

Chemical Properties

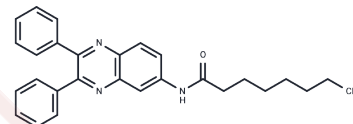
CAS No. : 1352576-02-3

Formula: C₂₈H₂₉N₃O

Molecular Weight: 423.55

Storage: 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	ZX-J-19J (N-(2,3-Diphenyl-6-quinoxalinyloctanamide), an inhibitor of Cyclophilin J (CyPJ), demonstrates remarkable inhibition of tumor cell growth, comparable to cyclosporine A but much stronger than 5-fluorouracil.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 10 mg/mL (23.61 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.361 mL	11.805 mL	23.610 mL
5 mM	0.4722 mL	2.361 mL	4.722 mL
10 mM	0.2361 mL	1.1805 mL	2.361 mL
50 mM	0.0472 mL	0.2361 mL	0.4722 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

Zhao X, et al. Cyclophilin J PPIase Inhibitors Derived from 2,3-Quinoxaline-6 Amine Exhibit Antitumor Activity. Front Pharmacol. 2018 Feb 21;9:126.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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