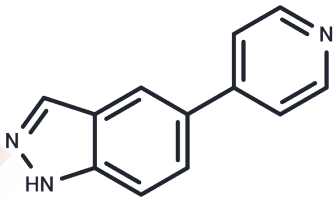
Data Sheet (Cat.No.T66481)

TG-693

Chemical Properties



CAS No. : 885272-55-9

Formula: C12H9N3

Molecular Weight: 195.23

Storage: Keep away from moisture
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	TG-693 is an orally active CLK1 (CDC2-like kinase 1) inhibitor that promotes exon 31 skipping of the dystrophin gene mutation in vivo and inhibits CLK1 substrate phosphorylation, suitable for studying Duchenne muscular dystrophy (DMD).
Targets(IC50)	CDK

Solubility Information

Solubility	DMSO: 25.00 mg/mL (128.05 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.1222 mL	25.6108 mL	51.2216 mL
5 mM	1.0244 mL	5.1222 mL	10.2443 mL
10 mM	0.5122 mL	2.5611 mL	5.1222 mL
50 mM	0.1024 mL	0.5122 mL	1.0244 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

Sako Y, et al. Development of an orally available inhibitor of CLK1 for skipping a mutated dystrophin exon in Duchenne muscular dystrophy. Sci Rep. 2017;7:46126. Published 2017 May 30.

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