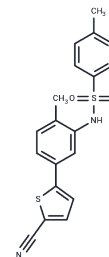


ELR510444

Chemical Properties

CAS No. : 1233948-35-0
 Formula: C₁₉H₁₆N₂O₂S₂
 Molecular Weight: 368.47
 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	ELR510444 (LR510444) is a novel microtubule disruptor; inhibits MDA-MB-231 cell proliferation with IC ₅₀ of 30.9 nM; not a substrate for the P-glycoprotein drug transporter and retains activity in β III-tubulin-overexpressing cell lines.
Targets(IC ₅₀)	Apoptosis, Microtubule Associated

Solubility Information

Solubility	DMSO: 50 mg/mL (135.7 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	2.7139 mL	13.5696 mL	27.1393 mL
5 mM	0.5428 mL	2.7139 mL	5.4279 mL
10 mM	0.2714 mL	1.357 mL	2.7139 mL
50 mM	0.0543 mL	0.2714 mL	0.5428 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

Risinger AL, et al. J Pharmacol Exp Ther. 2011 Mar;336(3):652-60.

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