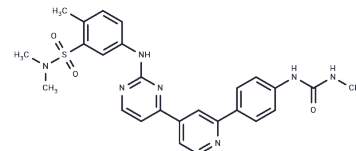


hSMG-1 inhibitor 11e

Chemical Properties

CAS No. :	1402452-10-1
Formula:	C ₂₆ H ₂₇ N ₇ O ₃ S
Molecular Weight:	517.6
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	hSMG-1 inhibitor 11e is an effective and selective inhibitor of hSMG-1 (IC ₅₀ <0.05 nM) and can be used in studies about cancer treatment.
Targets(IC ₅₀)	Others
In vitro	hSMG-1 inhibitor 11e exhibits an IC ₅₀ of 900-fold selectivity over mTOR (IC ₅₀ = 45 nM), PI3Kα/γ (IC ₅₀ = 61 nM), PI3Kγ (IC ₅₀ = 92 nM), CDK1(IC ₅₀ = 32 μM) and CDK2 (IC ₅₀ = 7.1 μM)[1].

Solubility Information

Solubility	DMSO: 45 mg/mL (86.9 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	1.932 mL	9.660 mL	19.3199 mL
5 mM	0.3864 mL	1.932 mL	3.864 mL
10 mM	0.1932 mL	0.966 mL	1.932 mL
50 mM	0.0386 mL	0.1932 mL	0.3864 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.

Reference

Ariamala Gopalsamy, et al. Identification of pyrimidine derivatives as hSMG-1 inhibitors. Bioorg Med Chem Lett. 2012 Nov 1;22(21):6636-41.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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