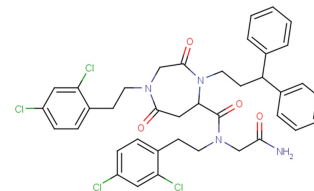


QM31

Chemical Properties

CAS No.: 937735-00-7
 Formula: C₃₉H₃₈Cl₄N₄O₄
 Molecular Weight: 768.56
 Appearance: N/A
 Storage: 0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	QM31 is a selective Apaf-1 inhibitor(inbitita formation of the apoptosome with IC ₅₀ of 7.9μM).
Targets(IC ₅₀)	Others: None
In vitro	SVT016426 inhibits Apaf1 -induced activation of caspase activity (in HeLa S100 cells,with an IC ₅₀ of 5 μM)[3].

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.301 mL	6.506 mL	13.011 mL
5 mM	0.26 mL	1.301 mL	2.602 mL
10 mM	0.13 mL	0.651 mL	1.301 mL
50 mM	0.026 mL	0.13 mL	0.26 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. Mondragón L, et al. A chemical inhibitor of Apaf-1 exerts mitochondrioprotective functions and interferes with the intra-S-phase DNA damage checkpoint. *Apoptosis*. 2009 Feb;14(2):182-90.
2. Orzáez M, et al. Apaf-1 inhibitors protect from unwanted cell death in in vivo models of kidney ischemia and chemotherapy induced ototoxicity. *PLoS One*. 2014 Oct 20;9(10):e110979.
3. Gortat A, et al. Apaf1 inhibition promotes cell recovery from apoptosis. *Protein Cell*. 2015 Nov;6(11):833-43.

Inhibitors · Natural Compounds · Compound Libraries

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