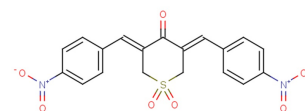


Ubiquitin Isopeptidase Inhibitor I, G5

Chemical Properties

CAS No.:	108477-18-5
Formula:	C ₁₉ H ₁₄ N ₂ O ₇ S
Molecular Weight:	414.39
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	Ubiquitin Isopeptidase Inhibitor I, G5 is an apoptosome-independent caspase and apoptosis activator (IC ₅₀ : 1.76 and 1.6 μ M in E1A and E1A/C9DN cells, respectively).
Targets(IC ₅₀)	E1A cells: 1.76 μ M E1A/C9DN cells: 1.6 μ M
In vitro	Ubiquitin Isopeptidase Inhibitor I, G5 is an effective apoptotic inducer (IC ₅₀ s: 1.76 and 1.6 μ M in E1A and E1A/C9DN cells, respectively). Ubiquitin Isopeptidase Inhibitor I, G5 is capable of activating an apoptosome-independent apoptotic pathway. It targets the ubiquitin-proteasome system by inhibiting the ubiquitin isopeptidases. Ubiquitin Isopeptidase Inhibitor I, G5 induces a rather unique apoptotic pathway, which includes a Bcl-2-dependent but apoptosome-independent mitochondrial pathway with upregulation of the BH3-only protein Noxa, stabilization of the inhibitor of apoptosis antagonist Smac, but also the involvement of the death receptor pathway [1].

Solubility Information

Solubility	DMSO: 25 mg/mL (60.33 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.413 mL	12.066 mL	24.132 mL
5 mM	0.483 mL	2.413 mL	4.826 mL
10 mM	0.241 mL	1.207 mL	2.413 mL
50 mM	0.048 mL	0.241 mL	0.483 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.

Inhibitors · Natural Compounds · Compound Libraries

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use.

Tel:781-999-4286

E-mail:info@targetmol.com

Address:36 Washington Street,Wellesley Hills,MA 02481