

MV1

## Chemical Properties

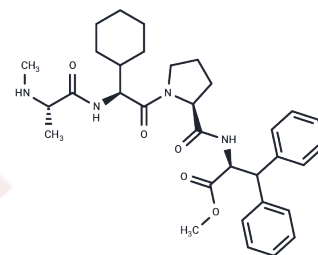
CAS No. : 1001600-54-9

Formula: C33H44N4O5

Molecular Weight: 576.73

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	MV1 is an IAP antagonist. When combined with HaloTag ligand, MV1 causes protein knockdown of HaloTag-fused proteins.
Targets(IC50)	Apoptosis,IAP

## Solubility Information

Solubility	DMSO: 125 mg/mL (216.74 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 4 mg/mL (6.94 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7339 mL	8.6696 mL	17.3391 mL
5 mM	0.3468 mL	1.7339 mL	3.4678 mL
10 mM	0.1734 mL	0.867 mL	1.7339 mL
50 mM	0.0347 mL	0.1734 mL	0.3468 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

Tomoshige S, et al. Efficient protein knockdown of HaloTag-fused proteins using hybrid molecules consisting of IAP antagonist and HaloTag ligand. Bioorg Med Chem. 2016 Jul 15;24(14):3144-8.

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