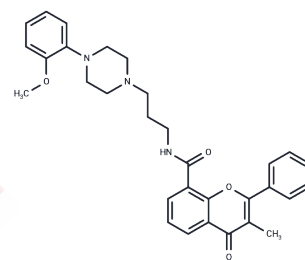


## Upidosin

## Chemical Properties

CAS No. :	152735-23-4
Formula:	C <sub>31</sub> H <sub>33</sub> N <sub>3</sub> O <sub>4</sub>
Molecular Weight:	511.61
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	Upidosin (SB-216469) is a potential uroselective $\alpha$ 1-adrenoceptor antagonist, $\alpha$ 1a subtype $K_i=0.34$ nM, $\alpha$ 1b subtype $K_i=3.9$ nM, $\alpha$ 1d subtype $K_i=1.5$ nM, $\alpha$ 2-adrenoceptor $K_i=33.3$ nM.
Targets(IC50)	Adrenergic Receptor

## Solubility Information

Solubility	DMSO: 5.12 mg/mL (10.01 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	1.9546 mL	9.7731 mL	19.5461 mL
5 mM	0.3909 mL	1.9546 mL	3.9092 mL
10 mM	0.1955 mL	0.9773 mL	1.9546 mL
50 mM	0.0391 mL	0.1955 mL	0.3909 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

Boschi D, et al. New potential uroselective NO-donor alpha1-antagonists. J Med Chem. 2003 Aug 14;46(17):3762-5.

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