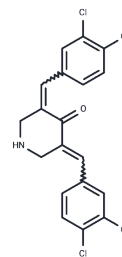


## RAMB4

## Chemical Properties

CAS No. :	145888-79-5
Formula:	C <sub>19</sub> H <sub>13</sub> Cl <sub>4</sub> NO
Molecular Weight:	413.12
Appearance:	no data available
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year



## Biological Description

Description	RAMB4 (PTP1B-IN-9) is a ubiquitin-proteasome system (UPS)-stressor, with anticancer activity.
Targets(IC <sub>50</sub> )	Proteasome
In vitro	PTP1B-IN-9 reduces the cell viability of exponentially growing HeLa cervical cancer cells in a dose-dependent fashion with an IC <sub>50</sub> value of 2 μM[1].

## Solubility Information

Solubility	DMSO: Slightly soluble, ( $< 1$ mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4206 mL	12.103 mL	24.206 mL
5 mM	0.4841 mL	2.4206 mL	4.8412 mL
10 mM	0.2421 mL	1.2103 mL	2.4206 mL
50 mM	0.0484 mL	0.2421 mL	0.4841 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

Anchoori RK, et al. Stressing the ubiquitin-proteasome system without 20S proteolytic inhibition selectively kills cervical cancer cells. PLoS One. 2011;6(8): e23888.

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