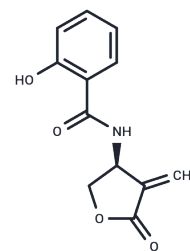


## SEMBL

## Chemical Properties

CAS No. :	1443448-82-5
Formula:	C <sub>12</sub> H <sub>11</sub> NO <sub>4</sub>
Molecular Weight:	233.22
Storage:	Store at low temperature Powder: -20°C for 3 years   In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



## Biological Description

Description	SEMBL is a potent NF-κB inhibitor that suppresses NF-κB-DNA binding activity and effectively reduces NF-κB-dependent inflammatory cytokine secretion, while also inhibiting cancer cell migration and invasion through downregulation of matrix metalloproteinase (MMP) expression, positioning SEMBL as a valuable research compound for studying inflammation-associated tumor progression and anticancer therapeutic mechanisms.
Targets(IC50)	NF-κB

## Solubility Information

Solubility	DMSO: 80 mg/mL (343.02 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	4.2878 mL	21.439 mL	42.878 mL
5 mM	0.8576 mL	4.2878 mL	8.5756 mL
10 mM	0.4288 mL	2.1439 mL	4.2878 mL
50 mM	0.0858 mL	0.4288 mL	0.8576 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

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