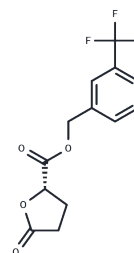


## TFMB-(S)-2-HG

## Chemical Properties

CAS No. :	1445703-64-9
Formula:	C <sub>13</sub> H <sub>11</sub> F <sub>3</sub> O <sub>4</sub>
Molecular Weight:	288.22
Appearance:	no data available
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year



## Biological Description

Description	TFMB-(S)-2-HG (TFMB S 2 HG) is a highly effective inhibitor of TET2, the 5'-methylcytosine hydroxylase. Additionally, it significantly inhibits the EglN prolyl hydroxylases. With its unique properties, TFMB-(S)-2-HG holds great promise for advancing research in the field of acute myeloid leukemia (AML).
Targets(IC50)	DNA Methyltransferase

## Solubility Information

Solubility	DMSO: 60 mg/mL (208.17 mM) ( $< 1$ mg/mL refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.4696 mL	17.3479 mL	34.6957 mL
5 mM	0.6939 mL	3.4696 mL	6.9391 mL
10 mM	0.347 mL	1.7348 mL	3.4696 mL
50 mM	0.0694 mL	0.347 mL	0.6939 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

Losman JA, et al. (R)-2-hydroxyglutarate is sufficient to promote leukemogenesis and its effects are reversible. Science. 2013;339(6127):1621-1625.

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