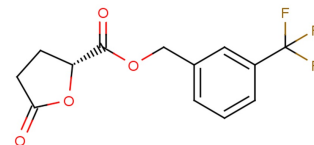


## TFMB-(R)-2-HG

## Chemical Properties

CAS No.:	1445700-01-5
Formula:	C <sub>13</sub> H <sub>11</sub> F <sub>3</sub> O <sub>4</sub>
Molecular Weight:	288.22
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



## Biological Description

Description	TFMB-(R)-2-HG is a carcinogenic factor in Acute myeloid leukemia (AML). TFMB-(R)-2-HG impairs SCF ER-Hoxb8 cell differentiation in response to estrogen withdrawal.
Targets(IC <sub>50</sub> )	Carcinogenic factor: None

## Solubility Information

Solubility	DMSO: 250 mg/mL (867.39 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.47 mL	17.348 mL	34.696 mL
5 mM	0.694 mL	3.47 mL	6.939 mL
10 mM	0.347 mL	1.735 mL	3.47 mL
50 mM	0.069 mL	0.347 mL	0.694 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

## Reference

1. Losman JA, et al. (R)-2-hydroxyglutarate is sufficient to promote leukemogenesis and its effects are reversible. Science. 2013 Mar 29;339(6127):1621-5.

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