

ERG240

## Chemical Properties

CAS No. : 1415683-79-2

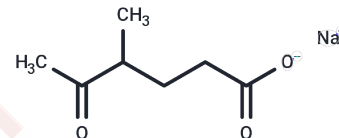
Formula: C<sub>7</sub>H<sub>11</sub>NaO<sub>3</sub>

Molecular Weight: 166.15

Keep away from moisture, Keep away from direct sunlight

Storage: Pure form: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



## Biological Description

Description	ERG240 is an inhibitor of branched-chain amino acid aminotransferase 1 (BCAT1). ERG240 can be used for the research of rheumatoid arthritis, cancer, and bone disease.
Targets(IC50)	Others

## Solubility Information

Solubility	DMSO: 125 mg/mL (752.33 mM), Sonication is recommended. H <sub>2</sub> O: 90 mg/mL (541.68 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween-80+45% Saline: 3.3 mg/mL (19.86 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

### Preparing Stock Solutions

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	<b>1mg</b>	<b>5mg</b>	<b>10mg</b>
1 mM	6.0187 mL	30.0933 mL	60.1866 mL
5 mM	1.2037 mL	6.0187 mL	12.0373 mL
10 mM	0.6019 mL	3.0093 mL	6.0187 mL
50 mM	0.1204 mL	0.6019 mL	1.2037 mL

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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

Papathanassiou, et al. Methods for treatment of cancer, inflammatory autoimmune disorders and bone diseases using branched-chain amino acid aminotransferase-1 (BCAT1) inhibitors. Patent. WO2012173987.

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