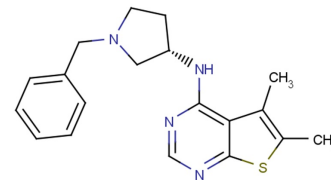


HS80

## Chemical Properties

CAS No.:	2138838-57-8
Formula:	C <sub>19</sub> H <sub>22</sub> N <sub>4</sub> S
Molecular Weight:	338.47
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



## Biological Description

Description	HS-80 is an enantiomer of Fasnall, which is a selective fatty acid synthase (FASN) inhibitor. HS-80 is able to inhibit the incorporation of tritiated acetate into lipids (IC <sub>50</sub> : 7.13 $\mu$ M).
Targets(IC <sub>50</sub> )	FASN: None
In vitro	Fasnall has anti-proliferative activity and induces apoptosis in breast cancer cells.

## Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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### Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.954 mL	14.772 mL	29.545 mL
5 mM	0.591 mL	2.954 mL	5.909 mL
10 mM	0.295 mL	1.477 mL	2.954 mL
50 mM	0.059 mL	0.295 mL	0.591 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. Alwarawrah Y, et al. Fasnall, a Selective FASN Inhibitor, Shows Potent Anti-tumor Activity in the MMTV-Neu Model of HER2(+) Breast Cancer. Cell Chem Biol. 2016 Jun 23;23(6):678-88.

Inhibitors · Natural Compounds · Compound Libraries

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