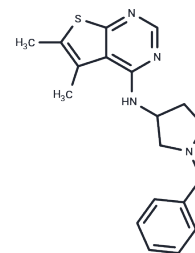


Fasnall

Chemical Properties

CAS No. :	929978-58-5
Formula:	C ₁₉ H ₂₂ N ₄ S
Molecular Weight:	338.47
Storage:	Store at low temperature Powder: -20°C for 3 years In solvent: -80°C for 1 year <i>Actual storage temperature shall be subject to the COA.</i>



Biological Description

Description	Fasnall is a selective FASN inhibitor that acts through its co-factor binding sites. Fasnall shows potent anti-tumor activity in the MMTV-Neu model of HER2(+) breast cancer, particularly in combination with carboplatin.
Targets(IC50)	Apoptosis, Fatty Acid Synthase

Solubility Information

Solubility	Ethanol: 20 mg/mL (59.09 mM), Sonication is recommended. DMSO: 11.36 mg/mL (33.56 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: 1 mg/mL (2.95 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

	1mg	5mg	10mg
1 mM	2.9545 mL	14.7724 mL	29.5447 mL
5 mM	0.5909 mL	2.9545 mL	5.9089 mL
10 mM	0.2954 mL	1.4772 mL	2.9545 mL
50 mM	0.0591 mL	0.2954 mL	0.5909 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

Alwarawrah Y, Hughes P, Loïselle D, Carlson DA, Darr DB, Jordan JL, Xiong J, Hunter LM, Dubois LG, Thompson JW, Kulkarni MM, Ratcliff AN, Kwiek JJ, Haystead TA. 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481