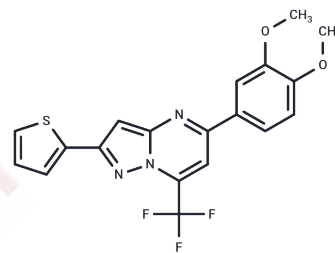


FUBP1-IN-1

Chemical Properties

CAS No. :	883003-62-1
Formula:	C ₁₉ H ₁₄ F ₃ N ₃ O ₂ S
Molecular Weight:	405.39
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	FUBP1 - in-1, with an IC ₅₀ value of 11.0 M, is an effective FUSE binding protein 1 (FUBP1) inhibitor that can interfere with the binding of FUBP1 to its SINGLE-strand target DNA FUSE sequence.
Targets(IC ₅₀)	Others,DNA/RNA Synthesis

Solubility Information

Solubility	DMSO: 16.67 mg/mL (41.12 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Corn Oil: 1.5 mg/mL (3.7 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	2.4668 mL	12.3338 mL	24.6676 mL
5 mM	0.4934 mL	2.4668 mL	4.9335 mL
10 mM	0.2467 mL	1.2334 mL	2.4668 mL
50 mM	0.0493 mL	0.2467 mL	0.4934 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

Hauck S, et al. Pyrazolo[1,5a]pyrimidines as a new class of FUSE binding protein 1 (FUBP1) inhibitors. Bioorg Med Chem. 2016 Nov 15;24(22):5717-5729.

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