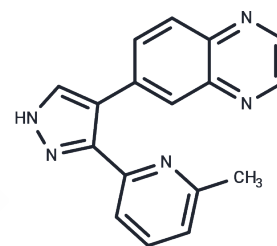


BIO-013077-01

Chemical Properties

CAS No. : 746667-48-1
 Formula: C₁₇H₁₃N₅
 Molecular Weight: 287.32
 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	BIO-013077-01 is a potent TGFbeta family type I receptors antagonist.
Targets(IC50)	TGF-beta/Smad

Solubility Information

Solubility	DMSO: 10 mg/mL (34.8 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 (3.48 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	3.4804 mL	17.4022 mL	34.8044 mL
5 mM	0.6961 mL	3.4804 mL	6.9609 mL
10 mM	0.348 mL	1.7402 mL	3.4804 mL
50 mM	0.0696 mL	0.348 mL	0.6961 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

Koike R, Uchiyama T, Arimoto-Kobayashi S, Okamoto K, Negishi T. Increase of somatic cell mutations in oxidative damage-sensitive drosophila. *Genes Environ.* 2018 Jan 10;40:3.

Li P, Zhang X, Zhang J, Yan Z, Zhang S, Chen S, Fang Y. A sensitive and selective immunoaffinity column clean up coupled to UPLC-MS/MS for determination of trace methyl-3-quinoxaline-2-carboxylic acid in animal tissues. *J Chromatogr B Analyt Technol Biomed Life Sci.* 2018 Jan 3;1074-1075:39-45.

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