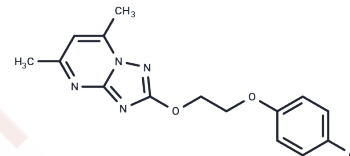


STS-E412

Chemical Properties

CAS No. : 1609980-39-3
 Formula: C₁₅H₁₅ClN₄O₂
 Molecular Weight: 318.76
 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	STS-E412 is a tissue-protective and selective EPOR/CD131 receptor activator for the study of neurological disorders.
Targets(IC50)	Others,JAK

Solubility Information

Solubility	DMSO: 30 mg/mL (94.11 mM),Sonification is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Corn Oil: 2 mg/mL (6.27 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	3.1372 mL	15.6858 mL	31.3716 mL
5 mM	0.6274 mL	3.1372 mL	6.2743 mL
10 mM	0.3137 mL	1.5686 mL	3.1372 mL
50 mM	0.0627 mL	0.3137 mL	0.6274 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

Miller JL, et al. Discovery and Characterization of Nonpeptidyl Agonists of the Tissue-Protective Erythropoietin Receptor. *Mol Pharmacol.* 2015 Aug;88(2):357-67.

Miller JL, Rai M, Frigon NL, Pandolfo M, Punnonen J, Spencer JR. Erythropoietin and small molecule agonists of the tissue-protective erythropoietin receptor increase FXN expression in neuronal cells in vitro and in Fxn-deficient KIKO mice in vivo. *Neuropharmacology.* 2017 Sep 1;123:34-45. doi: 10.1016/j.neuropharm.2017.05.011. Epub 2017 May 11.

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