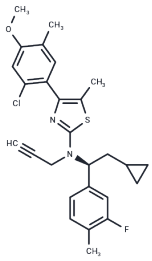
Data Sheet (Cat.No.T31095)

TargetMol

Crinecerfont

Chemical Properties



CAS No. : 752253-39-7

Formula: C27H28ClFN2OS

Molecular Weight: 483.04

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	Crinecerfont (SSR-125543) is a selective antagonist of corticotropin-releasing factor 1 receptor (CRF1) and can be used in studies about Classic congenital adrenal hyperplasia.
Targets(IC50)	CFTR,CRFR

Solubility Information

Solubility	DMSO: 46.67 mg/mL (96.62 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Saline: < 4.67 mg/mL (9.67 mM),Lower concentrations may be soluble, but exact solubility limit is unknown. 10% DMSO+40% PEG300+5% Tween 80+45% Saline: 4.67 mg/mL (9.67 mM),Solution. *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.*

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0702 mL	10.3511 mL	20.7022 mL
5 mM	0.414 mL	2.0702 mL	4.1404 mL
10 mM	0.207 mL	1.0351 mL	2.0702 mL
50 mM	0.0414 mL	0.207 mL	0.414 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

Philbert J, et al. The CRF_1 receptor antagonist SSR125543 prevents stress-induced long-lasting sleep disturbances in a mouse model of PTSD: comparison with paroxetine and d-cycloserine. Behav Brain Res. 2015 Feb 15;279:41-6.

Ramos Ade T, et al. Drug-induced suppression of ACTH secretion does not promote anti-depressive or anxiolytic effects. Behav Brain Res. 2014 May 15;265:69-75.

Douma TN, et al. CRF1 receptor antagonists do not reverse pharmacological disruption of prepulse inhibition in rodents. Psychopharmacology (Berl). 2014 Apr;231(7):1289-303.

Auchus RJ, et al. Crinecerfont Lowers Elevated Hormone Markers in Adults With 21-Hydroxylase Deficiency Congenital Adrenal Hyperplasia. J Clin Endocrinol Metab. 2022 Feb 17;107(3):801-812.

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