

SRX3207

## Chemical Properties

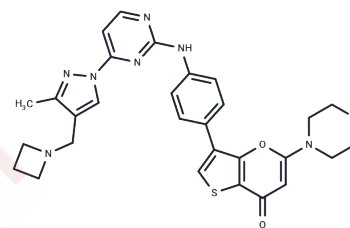
CAS No. : 2254693-15-5

Formula: C<sub>29</sub>H<sub>29</sub>N<sub>7</sub>O<sub>3</sub>S

Molecular Weight: 555.65

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	SRX3207 is an inhibitor of Syk and PI3K and relieves tumor immunosuppression.
Targets(IC50)	Syk,PI3K
In vitro	The IC50 values are 10.7 nM and 861 nM for Syk and PI3K $\alpha$ , respectively. SRX3207 (10 $\mu$ mol/L) blocks p-AKT[1].
In vivo	Oral administration of SRX3207 increases antitumor immune response. SRX3207 blocks immunosuppressive M $\Phi$ polarization, blocks tumor growth, and increases survival effectively[1].

## Solubility Information

Solubility	DMSO: 4.5 mg/mL (8.1 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7997 mL	8.9985 mL	17.9969 mL
5 mM	0.3599 mL	1.7997 mL	3.5994 mL
10 mM	0.180 mL	0.8998 mL	1.7997 mL
50 mM	0.036 mL	0.180 mL	0.3599 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

Shweta Joshi, et al. Macrophage Syk-PI3Kγ Inhibits Antitumor Immunity: SRX3207, a Novel Dual Syk-PI3K Inhibitory Chemotype Relieves Tumor Immunosuppression. Molecular Cancer Therapeutics. 2020.

Shweta Joshi, et al. Macrophage Syk-PI3Kγ Inhibits Antitumor Immunity: SRX3207, a Novel Dual Syk-PI3K Inhibitory Chemotype Relieves Tumor Immunosuppression. Mol Cancer Ther. 2020 Mar;19(3):755-764.

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