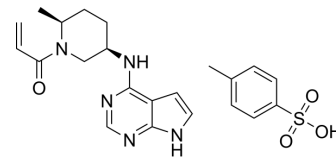


Ritlecitinib tosylate

Cat. No.:	HY-100754C
CAS No.:	2192215-81-7
Molecular Formula:	C ₂₂ H ₂₇ N ₅ O ₄ S
Molecular Weight:	457.55
Target:	JAK
Pathway:	Epigenetics; JAK/STAT Signaling; Protein Tyrosine Kinase/RTK; Stem Cell/Wnt
Storage:	-20°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 83.33 mg/mL (182.12 mM; ultrasonic and warming and heat to 60°C)

Preparing Stock Solutions	Solvent		Mass		
	Concentration		1 mg	5 mg	10 mg
	1 mM		2.1856 mL	10.9278 mL	21.8555 mL
	5 mM		0.4371 mL	2.1856 mL	4.3711 mL
	10 mM		0.2186 mL	1.0928 mL	2.1856 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

Ritlecitinib tosylate is an orally active and selective JAK3 inhibitor with an IC₅₀ of 33.1 nM. Ritlecitinib tosylate is used for inflammatory and autoimmune diseases research^[1].

CUSTOMER VALIDATION

- Blood Adv. 2022 May 23;bloodadvances.2022007695.
- Expert Opin Investig Drugs. 2021 Nov 26.
- Int J Mol Sci. 2023 May 25, 24(11), 9243.
- Inflamm Bowel Dis. 2020 Dec 9;izaa318.
- bioRxiv. 2023 Aug 17.

See more customer validations on www.MedChemExpress.com

REFERENCES

[1]. Telliez JB, et al. Discovery of a JAK3-Selective Inhibitor: Functional Differentiation of JAK3-Selective Inhibition over pan-JAK or JAK1-Selective Inhibition. ACS Chem Biol. 2016 Dec 16;11(12):3442-3451.

Caution: Product has not been fully validated for medical applications. For research use only.

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