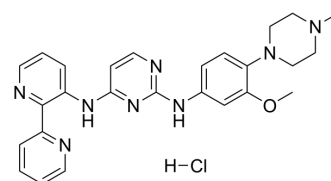


Itacosertib (hydrochloride)

Cat. No.:	HY-109179A
CAS No.:	2409543-84-4
Molecular Formula:	C ₂₆ H ₂₉ ClN ₈ O
Molecular Weight:	505.01
Target:	JAK; TGF-β Receptor
Pathway:	Epigenetics; JAK/STAT Signaling; Protein Tyrosine Kinase/RTK; Stem Cell/Wnt; TGF-beta/Smad
Storage:	4°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 : 5.56 mg/mL (11.01 mM; ultrasonic and warming and heat to 60°C)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	1.9802 mL	9.9008 mL	19.8016 mL
5 mM	0.3960 mL	1.9802 mL	3.9603 mL
10 mM	0.1980 mL	0.9901 mL	1.9802 mL

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

BIOLOGICAL ACTIVITY

Description

Itacosertib hydrochloride is an inhibitor of JAK2, ACVR1 (ALK2) and ALK5^[1].

REFERENCES

[1]. Mollard A, et al. Preparation of [(piperazinylphenyl)amino]pyrimidine derivatives as JAK2 and ALK2 inhibitors. WO2014151871A2. 2014-09-25.

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

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