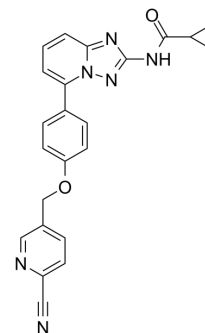


GLPG0634 analog

Cat. No.:	HY-13961
CAS No.:	1206101-20-3
Molecular Formula:	C ₂₃ H ₁₈ N ₆ O ₂
Molecular Weight:	410.43
Target:	JAK
Pathway:	Epigenetics; JAK/STAT Signaling; Stem Cell/Wnt
Storage:	4°C, protect from light, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light, stored under nitrogen)



SOLVENT & SOLUBILITY

In Vitro

DMSO : ≥ 53 mg/mL (129.13 mM)
* "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent		Mass		
	Concentration		1 mg	5 mg	10 mg
	1 mM		2.4365 mL	12.1823 mL	24.3647 mL
	5 mM		0.4873 mL	2.4365 mL	4.8729 mL
	10 mM		0.2436 mL	1.2182 mL	2.4365 mL

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

BIOLOGICAL ACTIVITY

Description

GLPG0634 analog (Compound 176) is a broad spectrum JAK inhibitor with IC₅₀ values of <100 nM against JAK1, JAK2 and JAK3 [1].

IC₅₀ & Target

JAK1	JAK2	JAK3	Tyk2
<100 nM (IC ₅₀)	<100 nM (IC ₅₀)	<100 nM (IC ₅₀)	<100 nM (IC ₅₀)

In Vitro

GLPG0634 analog (Compound 176) inhibits JAK-STAT signaling and OSM/IL-1β signaling with both EC₅₀ values of 101-500 nM [1].
GLPG0634 analog shows microsomal stability of 76%-100% in rat and human^[1].
MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

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

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