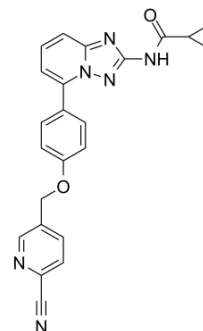


GLPG0634 analog

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) (compound176) is a pan JAK inhibitor with IC ₅₀ s of 50-200 nM for JAK1/JAK2/JAK3; more information can be found in the reference patents.	
IC₅₀ & Target	JAK3 <100 nM (IC ₅₀)	Tyk2 <100 nM (IC ₅₀)

REFERENCES

- [1]. <http://www.google.com/patents/WO2013173506A2cl=en>
- [2]. <http://www.google.it/patents/WO2010149769A1cl=en>
- [3]. <http://www.google.com/patents/WO2010010190A1cl=en>

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

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