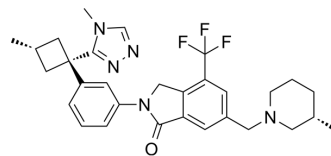


Cbl-b-IN-3

Cat. No.:	HY-141432
CAS No.:	2573775-59-2
Molecular Formula:	C ₃₀ H ₃₄ F ₃ N ₅ O
Molecular Weight:	537.62
Target:	E1/E2/E3 Enzyme
Pathway:	Metabolic Enzyme/Protease
Storage:	4°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (186.00 mM; Need ultrasonic)

Solvent	Mass	Concentration		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	1.8600 mL	9.3002 mL	18.6005 mL
	5 mM	0.3720 mL	1.8600 mL	3.7201 mL
	10 mM	0.1860 mL	0.9300 mL	1.8600 mL

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

BIOLOGICAL ACTIVITY

Description

Cbl-b-IN-3 (Compound 23) is a casitas B-lineage lymphoma proto-oncogene-b (Cbl-b) inhibitor with an IC₅₀ of < 1 nM. Cbl-b is an E3 ubiquitin ligase that negatively regulates T-cell activation^[1].

IC₅₀ & Target

IC₅₀: < 1 nM (Cbl-b)^[1]

In Vitro

Cbl-b-IN-3 (Compound 23) enhances IL-2 secretion by T-cells stimulated with an anti-CD3 antibody alone or in combination with an anti-CD28 antibody^[1].

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Arthur T. Sands, et al. Substituted benzyl-triazole compounds for cbl-b inhibition, and further uses thereof. WO2020264398A1.

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

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