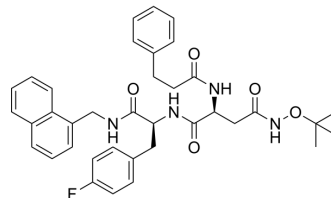


DPLG3

Cat. No.:	HY-P10030
CAS No.:	1801379-22-5
Molecular Formula:	C ₃₇ H ₄₁ FN ₄ O ₅
Molecular Weight:	640.74
Target:	Proteasome
Pathway:	Metabolic Enzyme/Protease
Storage:	Sealed storage, away from moisture
	Powder -80°C 2 years
	-20°C 1 year

* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vivo

1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: ≥ 0.5 mg/mL (0.78 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

DPLG3 is a specific chymotryptic-like β5i subunits inhibitor. DPLG3 inhibits mouse i-20S with IC₅₀ of 9.4 nM. DPLG3 can be used for immune disease research^[1].

REFERENCES

[1]. Moallemian R, et al. Immunoproteasome inhibitor DPLG3 attenuates experimental colitis by restraining NF-κB activation. *Biochem Pharmacol.* 2020 Jul;177:113964.

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

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