



SZABO SCANDIC

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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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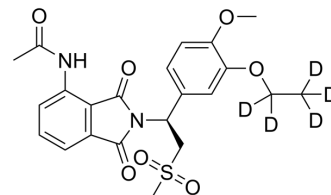
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Apremilast-d₅

Cat. No.:	HY-12085S
CAS No.:	1258597-47-5
Molecular Formula:	C ₂₂ H ₁₉ D ₅ N ₂ O ₇ S
Molecular Weight:	465.53
Target:	Phosphodiesterase (PDE); Apoptosis; TNF Receptor
Pathway:	Metabolic Enzyme/Protease; Apoptosis
Storage:	Powder -20°C 3 years 4°C 2 years In solvent -80°C 6 months -20°C 1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 44 mg/mL (94.52 mM; Need ultrasonic)
 DMSO : 44 mg/mL (94.52 mM; Need ultrasonic)

	Solvent Concentration	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		2.1481 mL	10.7404 mL	21.4809 mL
	5 mM		0.4296 mL	2.1481 mL	4.2962 mL
	10 mM		0.2148 mL	1.0740 mL	2.1481 mL

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

BIOLOGICAL ACTIVITY

Description

Apremilast-d₅ is a deuterium labeled Apremilast. Apremilast is an orally available inhibitor of type-4 cyclic nucleotide phosphodiesterase (PDE-4) with an IC₅₀ of 74 nM. Apremilast inhibits TNF-α release by lipopolysaccharide (LPS) with an IC₅₀ of 104 nM[1].

IC₅₀ & Target

PDE4

REFERENCES

[1]. Perez-Aso M, et al. Apremilast, a novel phosphodiesterase 4 (PDE4) inhibitor, regulates inflammation through multiple cAMP downstream effectors. Arthritis Res Ther. 2015 Sep 15;17:249.

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

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