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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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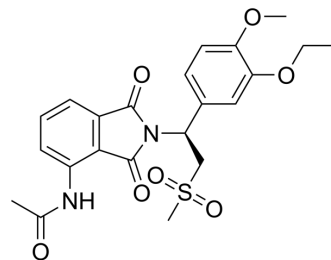
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Apremilast (Standard)

Cat. No.:	HY-12085R
CAS No.:	608141-41-9
Molecular Formula:	C ₂₂ H ₂₄ N ₂ O ₇ S
Molecular Weight:	460.5
Target:	Apoptosis; TNF Receptor; Phosphodiesterase (PDE)
Pathway:	Apoptosis; Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Apremilast (Standard) is the analytical standard of Apremilast. This product is intended for research and analytical applications. Apremilast (CC-10004) is an orally available inhibitor of type-4 cyclic nucleotide phosphodiesterase (PDE-4) with an IC ₅₀ of 74 nM. Apremilast inhibits TNF- α release by lipopolysaccharide (LPS) with an IC ₅₀ of 104 nM ^[1] .
IC ₅₀ & Target	IC ₅₀ : 74 nM (PDE4) and 104 nM (TNF- α) ^[1]

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.

[2]. Chen LG, et al. Determination of Apremilast in Rat Plasma by UPLC-MS-MS and Its Application to a Pharmacokinetic Study. *J Chromatogr Sci*. 2016 Sep;54(8):1336-40.

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

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