



SZABO SCANDIC

Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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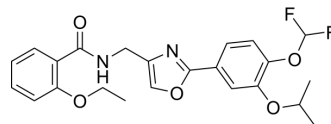
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Difamilast (Standard)

Cat. No.:	HY-109085R
CAS No.:	937782-05-3
Molecular Formula:	C ₂₃ H ₂₄ F ₂ N ₂ O ₅
Molecular Weight:	446.44
Target:	Phosphodiesterase (PDE)
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Difamilast (Standard) is the analytical standard of Difamilast. This product is intended for research and analytical applications. Difamilast (OPA-15406) is a topical, selective and nonsteroidal phosphodiesterase-4 (PDE4) inhibitor with particularly efficient inhibition of subtype B (IC₅₀=11.2 nM). Difamilast can be used for the research of mild to moderate atopic dermatitis (AD)^{[1][2][3]}.

REFERENCES

- [1]. Hanifin JM, et, al. OPA-15406, a novel, topical, nonsteroidal, selective phosphodiesterase-4 (PDE4) inhibitor, in the treatment of adult and adolescent patients with mild to moderate atopic dermatitis (AD): A phase-II randomized, double-blind, placebo-controlled study. *J Am Acad Dermatol.* 2016 Aug;75(2):297-305.
- [2]. Ahluwalia J, et, al. Phosphodiesterase 4 Inhibitor Therapies for Atopic Dermatitis: Progress and Outlook. *Drugs.* 2017 Sep;77(13):1389-1397.
- [3]. Soeberdt M, et, al. Small molecule drugs for the treatment of pruritus in patients with atopic dermatitis. *Eur J Pharmacol.* 2020 Aug 15;881:173242.

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

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