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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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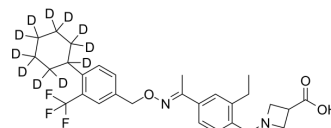
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Siponimod-d₁₁

Cat. No.:	HY-12355S
CAS No.:	2104759-32-0
Molecular Formula:	C ₂₉ H ₂₄ D ₁₁ F ₃ N ₂ O ₃
Molecular Weight:	527.66
Target:	LPL Receptor; Isotope-Labeled Compounds
Pathway:	GPCR/G Protein; Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Siponimod-d₁₁ is deuterium labeled Siponimod (HY-12355). Siponimod is an orally active and selective sphingosine-1-phosphate (S1P) receptor modulator. Siponimod is selective for S1P₁ and S1P₅ over S1P₂, S1P₃, and S1P₄, with EC₅₀s of 0.4, 0.98, >10000, >1000, and 750 nM, respectively. Siponimod can be used for multiple sclerosis (MS) research^{[1][2][3][4]}.

REFERENCES

- [1]. Gergely P, et al. The selective sphingosine 1-phosphate receptor modulator BAF312 redirects lymphocyte distribution and has species-specific effects on heart rate. *Br J Pharmacol.* 2012 Nov;167(5):1035-47.
- [2]. Behrangi N, et al. Mechanism of Siponimod: Anti-Inflammatory and Neuroprotective Mode of Action. *Cells.* 2019 Jan 7;8(1):24.
- [3]. McGinley M, et al. Prospects of siponimod in secondary progressive multiple sclerosis. *Ther Adv Neurol Disord.* 2018 Jul 17;11:1756286418788013.
- [4]. Pan S, et al. Discovery of BAF312 (Siponimod), a Potent and Selective S1P Receptor Modulator. *ACS Med Chem Lett.* 2013 Jan 4;4(3):333-7.

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

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