



SZABO SCANDIC

Part of Europa Biosite

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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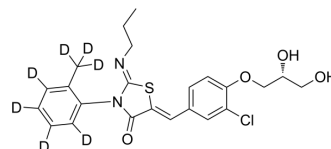
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Ponesimod-d₇

Cat. No.:	HY-10569S1
Molecular Formula:	C ₂₃ H ₁₈ D ₇ ClN ₂ O ₄ S
Molecular Weight:	468.02
Target:	Isotope-Labeled Compounds
Pathway:	Others
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 : 100 mg/mL (213.67 mM; Need ultrasonic)

	Solvent Concentration	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		2.1367 mL	10.6833 mL	21.3666 mL
	5 mM		0.4273 mL	2.1367 mL	4.2733 mL
	10 mM		0.2137 mL	1.0683 mL	2.1367 mL

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

BIOLOGICAL ACTIVITY

Description

Ponesimod-d₇ (ACT-128800-d₇) is the deuterium-labeled Ponesimod (HY-10569). Ponesimod-d₇ (ACT-128800) is a potent, selective and orally active agonist of S1P₁, with an IC₅₀ of 6 nM in a radioligand binding assay. Ponesimod-d₇ activates S1P₁-mediated signal transduction with high potency (EC₅₀=5.7 nM). Ponesimod-d₇ can protect against lymphocyte-mediated tissue inflammation^{[1][2][3]}.

In Vitro

Stable heavy isotopes of hydrogen, carbon, and other elements have been incorporated into drug molecules, largely as tracers for quantitation during the drug development process. Deuteration has gained attention because of its potential to affect the pharmacokinetic and metabolic profiles of drugs^[1].
MCE has not independently confirmed the accuracy of these methods. They are for reference only.

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

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