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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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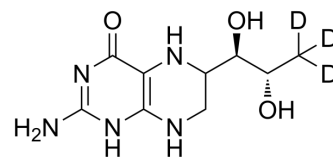
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Sapropterin-d₃

Cat. No.:	HY-144856S1
CAS No.:	2747956-15-4
Molecular Formula:	C ₉ H ₁₂ D ₃ N ₅ O ₃
Molecular Weight:	244.27
Target:	Isotope-Labeled Compounds; Endogenous Metabolite
Pathway:	Others; Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Sapropterin-d₃ ((6R)-BH₄-d₃) is deuterium labeled Sapropterin. Sapropterin ((6R)-BH₄) is an orally active phenylalanine hydroxylase (PAH) cofactor, which is effective in reducing blood phenylalanine concentrations. Sapropterin can be used in study of phenylketonuria (PKU)^{[1][2]}.

REFERENCES

- [1]. Russak EM, et al. Impact of Deuterium Substitution on the Pharmacokinetics of Pharmaceuticals. Ann Pharmacother. 2019 Feb;53(2):211-216.
- [2]. Schmitz K, et al. Sapropterin (BH₄) Aggravates Autoimmune Encephalomyelitis in Mice. Neurotherapeutics. 2021 Jul;18(3):1862-1879.
- [3]. Sanford M, et al. Sapropterin: a review of its use in the treatment of primary hyperphenylalaninaemia. Drugs. 2009;69(4):461-76.

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

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