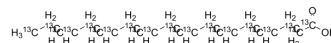


Docosahexaenoic acid-¹³C₂₂

Cat. No.:	HY-B2167S1
Molecular Formula:	¹³ C ₂₂ H ₃₂ O ₂
Molecular Weight:	350.33
Target:	Endogenous Metabolite
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Docosahexaenoic acid- ¹³ C ₂₂ is the ¹³ C labeled Docosahexaenoic acid[1]. Docosahexaenoic Acid (DHA) is an omega-3 fatty acid abundantly present brain and retina. It can be obtained directly from fish oil and maternal milk[2][3][4][5][6].
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.

REFERENCES

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- [3]. Gharami K, et al. Essential role of docosahexaenoic acid towards development of a smarter brain. *Neurochem Int*. 2015 Oct89:51-62.
- [4]. Lengqvist J, et al. Polyunsaturated fatty acids including docosahexaenoic and arachidonic acid bind to the retinoid Xreceptor alpha ligand-binding domain. *Mol Cell Proteomics*. 2004 Jul3(7):692-703.
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Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA