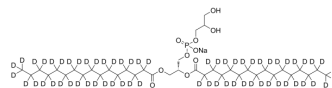


## DPPG-d<sub>62</sub> sodium

Cat. No.:	HY-125940S
CAS No.:	326495-46-9
Molecular Formula:	C <sub>38</sub> H <sub>12</sub> D <sub>62</sub> NaO <sub>10</sub> P
Molecular Weight:	807.33
Target:	Isotope-Labeled Compounds
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	DPPG-d <sub>62</sub> (sodium) is deuterium labeled DPPG. DPPG sodium (1,2-Dipalmitoyl-sn-glycero-3-PG sodium) is a phospholipid containing the long-chain(16:0) palmitic acid inserted at the sn-1 and sn-2 positions. DPPG sodium is used in the generation of micelles, l
<b>In Vitro</b>	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 <sup>[2]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

- [1]. Ege C, Lee KY. Insertion of Alzheimer's A beta 40 peptide into lipid monolayers. *Biophys J.* 2004 Sep;87(3):1732-40.
- [2]. Russak EM, et al. Impact of Deuterium Substitution on the Pharmacokinetics of Pharmaceuticals. *Ann Pharmacother.* 2019;53(2):211-223.

**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](mailto:tech@MedChemExpress.com)

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