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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

SZABO-SCANDIC Handels GmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

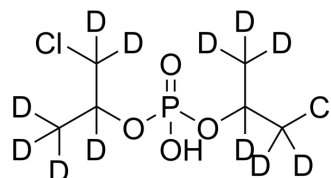
mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

Bis(1-chloro-2-propyl) phosphate-d₁₂

Cat. No.:	HY-W653929
CAS No.:	1870073-89-4
Molecular Formula:	C ₆ HD ₁₂ Cl ₂ O ₄ P
Molecular Weight:	263.12
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

Bis(1-chloro-2-propyl) phosphate-d₁₂ is deuterium labeled Bis(1-chloro-2-propyl) phosphate. Bis(1-chloro-2-propyl) phosphate (BCIPP) is a metabolite of organophosphate flame retardants (OPFR) that may alter energy metabolism by influencing the levels of steroid hormones, such as cortisol and cortisone. Bis(1-chloro-2-propyl) phosphate holds potential for research on metabolism-related diseases caused by environmental exposure^{[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]. Ji Y, et al. Association between urinary organophosphate flame retardant diesters and steroid hormones: A metabolomic study on type 2 diabetes mellitus cases and controls. Sci Total Environ. 2021 Feb 20;756:143836.

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