



# SZABO SCANDIC

Part of Europa Biosite

## 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 HandelsgmbH

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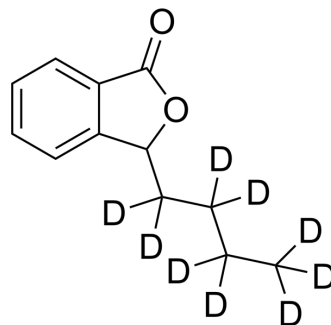
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## Butylphthalide-d<sub>9</sub>

Cat. No.:	HY-W744643
CAS No.:	2251692-52-9
Molecular Formula:	C <sub>12</sub> H <sub>5</sub> D <sub>9</sub> O <sub>2</sub>
Molecular Weight:	199.29
Target:	Isotope-Labeled Compounds; Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

Butylphthalide-d<sub>9</sub> (3-n-Butylphthalide-d<sub>9</sub>) is deuterium labeled Butylphthalide. Butylphthalide (3-n-Butylphthalide) is an active molecule against cerebral ischemia. It was originally isolated from celery species and has been shown to be effective in stroke animal models<sup>[1]</sup>.

### REFERENCES

- [1]. Russak EM, et al. Impact of Deuterium Substitution on the Pharmacokinetics of Pharmaceuticals. *Ann Pharmacother*. 2019 Feb;53(2):211-216.
- [2]. Chen XQ, Qiu K, Liu H, He Q, Bai JH, Lu W. Application and prospects of butylphthalide for the treatment of neurologic diseases. *Chin Med J (Engl)*. 2019;132(12):1467-1477.
- [3]. Cui LY, et al. Ninety-day administration of dl-3-n-butylphthalide for acute ischemic stroke: a randomized, double-blind trial. *Chin Med J (Engl)*. 2013;126(18):3405-10.
- [4]. Zhao W, et al. 3-N-butylphthalide improves neuronal morphology after chronic cerebral ischemia. *Neural Regen Res*. 2014 Apr 1;9(7):719-26.
- [5]. Wang X, et al. Design, synthesis and biological evaluation of hydrogen sulfide releasing derivatives of 3-n-butylphthalide as potential antiplatelet and antithrombotic agents. *Org Biomol Chem*. 2014 Aug 21;12(31):5995-6004.
- [6]. Wang F, et al. Improvement of cognitive deficits in SAMP8 mice by 3-n-butylphthalide. *Neurol Res*. 2014 Mar;36(3):224-33.

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

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