



# 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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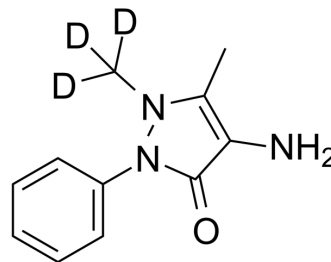
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## Ampyrone-d3

Cat. No.:	HY-B1398S
CAS No.:	1329792-51-9
Molecular Formula:	C <sub>11</sub> H <sub>10</sub> D <sub>3</sub> N <sub>3</sub> O
Molecular Weight:	206.26
Target:	COX; Drug Metabolite
Pathway:	Immunology/Inflammation; Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	Ampyrone-d3 (4-Aminoantipyrine-d3) is the deuterium labeled Ampyrone. Ampyrone is a reagent for glucose determination in the presence of peroxidase and phenol.
<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>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

- [1]. Russak EM, et al. Impact of Deuterium Substitution on the Pharmacokinetics of Pharmaceuticals. *Ann Pharmacother*. 2019;53(2):211-216.
- [2]. Berno CR, et al. 4-Aminoantipyrine reduces toxic and genotoxic effects of doxorubicin, cisplatin, and cyclophosphamide in male mice. *Mutat Res Genet Toxicol Environ Mutagen*. 2016 Jul;805:19-24.

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

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