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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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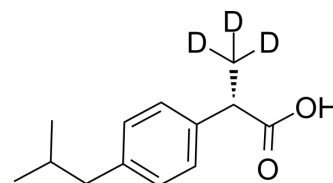
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(S)-(+)-Ibuprofen D3

Cat. No.:	HY-78131AS		
CAS No.:	1329643-44-8		
Molecular Formula:	C ₁₃ H ₁₅ D ₃ O ₂		
Molecular Weight:	209.3		
Target:	COX		
Pathway:	Immunology/Inflammation		
Storage:	Powder	-20°C	3 years
	In solvent	-80°C	6 months
		-20°C	1 month



BIOLOGICAL ACTIVITY

Description	(S)-(+)-Ibuprofen-d ₃ is a deuterium labeled (S)-(+)-Ibuprofen. (S)-(+)-Ibuprofen is the S(+)-enantiomer of Ibuprofen that inhibits COX-1 and COX-2 activity with IC ₅₀ s of 2.1 μM and 1.6 μM. (S)-(+)-Ibuprofen has analgesic, antiinflammatory and antipyretic effects[1][2].		
IC ₅₀ & Target	COX-1	COX-2	
	2.1 μM (IC ₅₀)	1.6 μM (IC ₅₀)	

REFERENCES

- [1]. Evans AM, et al. Comparative pharmacology of S(+)-ibuprofen and (RS)-ibuprofen. Clin Rheumatol. 2001 Nov;20 Suppl 1:S9-14.
- [2]. Xu HR, et al. The effect of CYP2C19 activity on pharmacokinetics of lansoprazole and its active metabolites in healthy subjects. Pharm Biol. 2010 Aug;48(8):947-52.

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

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