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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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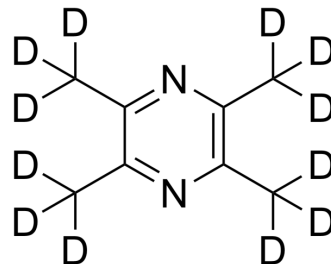
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Ligustrazine-d₁₂

Cat. No.:	HY-N0264S1
CAS No.:	65127-74-4
Molecular Formula:	C ₈ D ₁₂ N ₂
Molecular Weight:	148.27
Target:	Isotope-Labeled Compounds; Apoptosis
Pathway:	Others; Apoptosis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Ligustrazine-d₁₂ (Chuanxiongazine-d₁₂) is deuterium labeled Ligustrazine. Ligustrazine (Chuanxiongazine), an alkyipyrazine isolated from Ligusticum chuanxiong Hort. (Chuan Xiong)^[1], is present in french fries, bread, cooked meats, tea, cocoa, coffee, beer, spirits, peanuts, filberts, dairy products and soy products as fragrance and flavouring ingredienexhibits. Ligustrazine also has potential nootropic and anti-inflammatory activities in rats^{[2][3][4]}.

REFERENCES

- [1]. Russak EM, et al. Impact of Deuterium Substitution on the Pharmacokinetics of Pharmaceuticals. Ann Pharmacother. 2019 Feb;53(2):211-216.
- [2]. Zhao Y, et al. Mechanisms and Clinical Application of Tetramethylpyrazine (an Interesting Natural Compound Isolated from Ligusticum Wallichii): Current Status and Perspective. Oxid Med Cell Longev. 2016;2016:2124638.
- [3]. Wu W, et al. Tetramethylpyrazine protects against scopolamine-induced memory impairments in rats by reversing the cAMP/PKA/CREB pathway. Behav Brain Res. 2013 Sep 15;253:212-6.
- [4]. Kao TK, et al. Tetramethylpyrazine reduces cellular inflammatory response following permanent focal cerebral ischemia in rats. Exp Neurol. 2013 Sep;247:188-201.

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

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