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Produktinformation



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Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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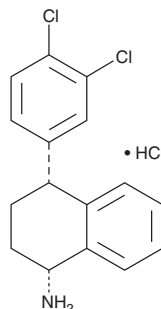
PRODUCT INFORMATION



(1R,4R)-N-desmethyl Sertraline (hydrochloride)

Item No. 35741

CAS Registry No.: 675126-09-7
Formal Name: (1R,4R)-4-(3,4-dichlorophenyl)-1,2,3,4-tetrahydro-1-naphthalenamine, monohydrochloride
MF: C₁₆H₁₅Cl₂N • HCl
FW: 328.7
Purity: ≥95%
Supplied as: A solid
Storage: -20°C
Stability: ≥4 years



Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Laboratory Procedures

(1R,4R)-N-desmethyl Sertraline (hydrochloride) is supplied as a solid. A stock solution may be made by dissolving the (1R,4R)-N-desmethyl sertraline (hydrochloride) in the solvent of choice, which should be purged with an inert gas. (1R,4R)-N-desmethyl Sertraline (hydrochloride) is slightly soluble in methanol and DMSO.

Description

(1R,4R)-N-desmethyl Sertraline is a metabolite of the selective serotonin reuptake inhibitor (SSRI) sertraline (Item No. 14839).¹ It is formed from sertraline primarily by the cytochrome P450 (CYP) isoform CYP2B6 and to a lesser extent by CYP2C19, -2C9, -2D6, and -3A in human liver microsomes. (1R,4R)-N-desmethyl Sertraline has been found in wastewater effluent.²

References

1. Obach, R.S., Cox, L.M., and Tremaine, L.M. Sertraline is metabolized by multiple cytochrome P450 enzymes, monoamine oxidases, and glucuronyl transferases in human: An in vitro study. *Drug Metab. Dispos.* **33**(2), 262-270 (2005).
2. Lajeunesse, A., Gagnon, C., and Sauv , S. Determination of basic antidepressants and their N-desmethyl metabolites in raw sewage and wastewater using solid-phase extraction and liquid chromatography-tandem mass spectrometry. *Anal. Chem.* **80**(14), 5325-5333 (2008).

WARNING

THIS PRODUCT IS FOR RESEARCH ONLY - NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

SAFETY DATA

This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. Before use, the user must review the complete Safety Data Sheet, which has been sent via email to your institution.

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