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Product Information

Cat. No. D-114

1-(2,5-DIMETHOXYPHENYL)-2-AMINOPROPANE HYDROCHLORIDE

DMA HYDROCHLORIDE

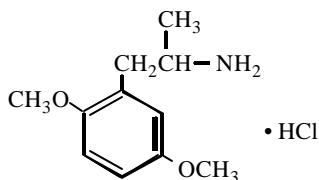
Serotonin receptor agonist and hallucinogen. The inhibition constants for DMA are 1020 nM for 5-HT₁ receptors and 5200 nM for 5-HT₂ receptors (rat fundus). DMA is a synthetic intermediate in the preparation of radioisotopically labelled DOB (Cat. No. D-111) and DOI (Cat. No. D-101).

Mol. Formula: C₁₁H₁₇NO₂·HCl

Mol. Wt.: 231.72 (anhyd.)

m.p.: 115°C

CAS Registry No.: 2801-68-5



Chemical Name: 2,5-Dimethoxyamphetamine hydrochloride

Physical Properties: White solid.

Caution: The pharmacology of this compound is incompletely characterized and due care should be exercised in its use. Avoid skin contact, ingestion or inhalation.

Storage: Store tightly sealed at room temperature.

Solubility: Soluble in water.

Disposal: Dissolve or mix the compound with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. This product is controlled by the Drug Enforcement Administration. Appropriate security must be maintained until the substance is destroyed. Records must be kept which detail the ultimate disposition of the material.

References:

1. Glennon, R.A., Young, R., Benington, F., Morin, R.D. "Behavioral and serotonin receptor properties of 4-substituted derivatives of the hallucinogen 1-(2,5-dimethoxyphenyl)-2-aminopropane." *J. Med. Chem.* **25**, 1163 (1982).
2. Glennon, R.A., Young, R., Rosecrans, J.A. "Antagonism of the effects of the hallucinogen DOM and the purported 5-HT agonist quipazine by 5-HT₂ antagonists." *Eur. J. Pharmacol.* **91**, 189 (1983).
3. Glennon, R.A., McKenney, J.D., Lyon, R.A., Titeler, M. "5-HT₁ and 5-HT₂ binding characteristics of 1-(2,5-Dimethoxy-4-bromophenyl)-2-aminopropane analogues." *J. Med. Chem.* **29**, 194 (1986).

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Rev. 10/93

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