Product Information

25C-NBOMe (hydrochloride) (exempt preparation)
Item No. 15724

CAS Registry No.: 1539266-19-7
Formal Name: 2-((4-chloro-2,5-dimethoxyphenyl)-N-(2-methoxybenzyl)ethanamine, monohydrochloride
Synonym: 2C-C-NBOMe
MF: C_{18}H_{22}ClNO_3 • HCl
FW: 372.3
Purity: >98%
Stability: ≥2 years at -20°C
Supplied as: A solution in methanol
UV/Vis: λ_max: 205, 295 nm

Laboratory Procedures

For long term storage, we suggest that 25C-NBOMe (hydrochloride) (exempt preparation) be stored as supplied at -20°C. It should be stable for at least two years.

25C-NBOMe (hydrochloride) (exempt preparation) is supplied as a solution in methanol. To change the solvent, simply evaporate the methanol under a gentle stream of nitrogen and immediately add the solvent of choice. Solvents such as ethanol, DMSO, and dimethyl formamide (DMF) purged with an inert gas can be used. The solubility of 25C-NBOMe (hydrochloride) (exempt preparation) in these solvents is approximately 5, 3, and 10 mg/ml, respectively.

25C-NBOMe (hydrochloride) (exempt preparation) is sparingly soluble in aqueous buffers. For maximum solubility in aqueous buffers, the DMF solution of 25C-NBOMe (hydrochloride) (exempt preparation) should be diluted with the aqueous buffer of choice. 25C-NBOMe (hydrochloride) (exempt preparation) has a solubility of approximately 0.09 mg/ml in a 1:10 solution of DMF:PBS (pH 7.2) using this method. We do not recommend storing the aqueous solution for more than one day.

2C-C is a 2,5-dimethoxyphenethylamine with a chlorine atom at the four position of the aromatic ring. A known hallucinogen, this compound stimulates monoamine receptor activity and inhibits the re-uptake of serotonin (Item No. 14332) and norepinephrine in rat brain synaptosomes (IC_{50}s = 31 and 63 μM, respectively).1,2 25C-NBOMe is a derivative of 2C-C having an N-(2-methoxybenzyl) addition at the amine. This addition increases the affinity and selectivity for the 5-HT_{2A} receptor over other serotonin receptors.3 Radiolabeled 25C-NBOMe has been used for positron emission tomography imaging of the 5-HT_{2A} receptor in porcine brain.4 This product is intended for forensic and research uses.

Related Products

For a list of related products please visit: www.caymanchem.com/catalog/15724

WARNING: THIS PRODUCT IS FOR LABORATORY RESEARCH ONLY; NOT FOR ADMINISTRATION TO HUMANS. NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

SAFETY DATA

This material should be considered hazardous until information to the contrary becomes available. Do not ingest, swallow, or inhale. Do not get in eyes, on skin, or on clothing. Wash thoroughly after handling. This information contains some, but not all, of the information required for the safe and proper use of this material. Before use, the user must review the complete Safety Data Sheet, which has been sent to the original customer that the material will meet our specifications.

WARRANTY AND LIMITATION OF REMEDY

Cayman Chemical Company makes no warranty or guarantee of any kind, whether written or oral, expressed or implied, including without limitation, any warranty of fitness for a particular purpose, suitability or merchantability, which extends beyond the description of the chemicals herein. Cayman warrants only to the original customer that the material will meet our specifications at the time of delivery.

Cayman will carry out its delivery obligations with due care and skill. Thus, in no event will Cayman have any obligation or liability, whether in tort (including negligence) or in contract, for any direct, indirect, incidental or consequential damages, even if Cayman is informed about their possible existence.

This limitation of liability does not apply in the case of intentional acts or negligence of Cayman, its directors or its employees.

Buyer’s exclusive remedy and Cayman’s sole liability hereunder shall be limited to a refund of the purchase price, or at Cayman’s option, the replacement, at no cost to Buyer, of all material that does not meet our specifications.

For further details, please refer to our Warranty and Limitation of Remedy located on our website and in our catalog.