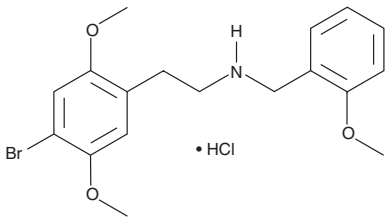
PRODUCT INFORMATION

25B-NBOMe (hydrochloride)

Item No. 12047

CAS Registry No.: 1539266-15-3
Formal Name: 4-bromo-2,5-dimethoxy-N-[(2-methoxyphenyl)methyl]-benzeneethanamine, monohydrochloride
Synonym: 2C-B-NBOMe
MF: $C_{18}H_{22}BrNO_3$ • HCl
FW: 416.7
Purity: ≥98%
Supplied as: A neat solid
Storage: -20°C
Stability: ≥2 years



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

Description

2C-B is a hallucinogenic designer drug which potently activates the serotonin receptor 5-HT2C (pEC50 = 6.8 for arachidonic acid release).[1] 25B-NBOMe is a derivative of 2C-B, characterized by the addition of a benzyl-methoxy (BOMe) group to the amine. This N-(2-methoxybenzyl) addition significantly increases the affinity (K_i = 1.01 nM) and activity (ED_{50} = 0.51 nM) at the serotonin receptor 5-HT_{2A}.[2] This product is intended for research and forensic applications.

This product is qualified as a Reference Material that has been manufactured and tested to ISO/IEC 17025 and ISO 17034 international standards.

References

1. Moya, P.R., Berg, K.A., Gutiérrez-Hernandez, M.A., *et al*. Functional selectivity of hallucinogenic phenethylamine and phenylisopropylamine derivatives at human 5-hydroxytryptamine (5-HT)$_{2A}$ and 5-HT_{2C} receptors. *J. Pharmacol. Exp. Ther.* **321**, 1054-1061 (2007).
2. Ettrup, A., Hansen, M., Santini, M.A., *et al*. Radiosynthesis and in vivo evaluation of a series of substituted ^{11}C-phenethylamines as 5-HT_{2A} agonist PET tracers. *Eur. J. Nucl. Med. Mol. Imaging* **38**, 681-693 (2011).

CAYMAN CHEMICAL
1180 EAST ELLSWORTH RD
ANN ARBOR, MI 48108 · USA
PHONE: [800] 364-9897
[734] 971-3335
FAX: [734] 971-3640
CUSTSERV@CAYMANCHEM.COM
WWW.**CAYMANCHEM**.COM