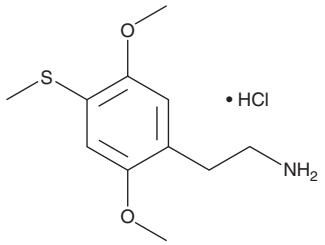
PRODUCT INFORMATION

2C-T (hydrochloride)

Item No. 13957

CAS Registry No.:	61638-10-6
Formal Name:	2,5-dimethoxy-4-(methylthio)-benzeneethanamine, monohydrochloride
Synonym:	2,5-Dimethoxy-4-methylthiophenethylamine
MF:	$C_{11}H_{17}NO_2S \bullet HCl$
FW:	263.8
Purity:	≥98%
UV/Vis.:	λ_{max}: 208, 254, 304 nm
Supplied as:	A crystalline solid
Storage:	-20°C
Stability:	≥5 years



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

Description

A series of 2,5-dimethoxy phenethylamines, collectively referred to as 2Cs, have psychoactive effects.[1,2] The most effective 2C compounds are substituted at the 4 position of the aromatic ring. Many are scheduled as illegal substances.[3,4] 2C-T (hydrochloride) is described formally as 2,5-dimethoxy-4-methylthiophenylethylamine hydrochloride. It has structural and pharmacokinetic properties similar to the drugs mescaline (hydrochloride) (Item No. 11950) and 2C-T-2 (hydrochloride) (Item No. 11891).[5] This product is intended for forensic and research purposes.

References

1. Bruno, R., Matthews, A.J., Dunn, M., *et al.* Emerging psychoactive substance use among regular ecstasy users in Australia. *Drug Alcohol Depend.* **124(1-2)**, 19-25 (2012).
2. 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(3)**, 1054-1061 (2007).
3. Meyer, M.R. and Maurer, H.H. Metabolism of designer drugs of abuse: An updated review. *Curr. Drug Metab.* **11(5)**, 468-482 (2010).
4. Nagai, F., Nonaka, R., and Satoh Hisashi Kamimura, K. The effects of non-medically used psychoactive drugs on monoamine neurotransmission in rat brain. *Eur. J. Pharmacol.* **559(2-3)**, 132-137 (2007).
5. Nichols, D.E. and Shulgin, A.T. Sulfur analogs of psychotomimetic amines. *J. Pharm. Sci.* **65(10)**, 1554-1556 (1976).

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