

Product Data Sheet

Product Name: ECSI#6
Cat. No.: GC91936

Chemical Properties

Cas. No. 860456-56-0

Chemical Name N-[2-(1,3-benzodioxol-5-yl)-1-(1,3-benzodioxol-5-ylmethyl)ethyl]-formamide

SMILES O=CNC(CC1=CC=C2OCOC2=C1)CC3=CC=C4OCOC4=C3

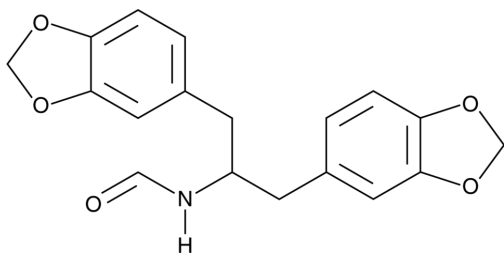
Formula $C_{18}H_{17}NO_5$ M.Wt 327.3

Solubility Acetonitrile: Slightly soluble: 0.1-1 mg/ml, DMSO: Sparingly soluble: 1-10 mg/ml, Water: Slightly soluble: 0.1-1 mg/ml
Storage -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution: ship with blue ice. All other available size: ship with RT, or blue ice upon request.

Structure



Background

ECSI#6 is an inhibitor of the serotonin transporter (SERT), dopamine transporter (DAT), and norepinephrine transporter (NET).¹ It inhibits serotonin, dopamine, and norepinephrine uptake in HEK293 cells expressing human SERT, DAT, and NET (IC_{50} s = 8, 48.2, and 17 μ M, respectively).

References:

[1]. Pifl, C., Nagy, G., Berényi, S., et al. Pharmacological characterization of ecstasy synthesis

Caution: Product has not been fully validated for medical applications. For research use only.

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byproducts with recombinant human monoamine transportersJ. Pharmacol. Exp. Ther.14(1)346-354(2005).

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