

Product Data Sheet

Product Name: AM1248
Cat. No.: GC42773

Chemical Properties

Cas. No. 335160-66-2

SMILES O=C(C1(C2)C[C@@H]3C[C@H](C1)C[C@H]2C3)C4=CN(CC5N(C)CCCC5)C6=C4C=CC=C6

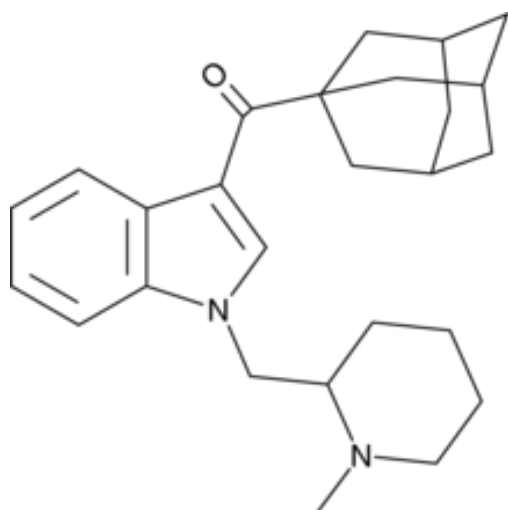
Formula C₂₆H₃₄N₂O M.Wt 390.6

Solubility DMF: 14 mg/ml, DMF:PBS (pH 7.2) (1:4): 0.25 mg/ml, DMSO: 10 mg/ml Storage Store at -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

AM1248 is an adamantoylindole derivative with an N-methylpiperidin-2-ylmethyl substitution at the indole 1-position. It reportedly acts as a moderately potent agonist for both the central CB1 and peripheral CB2 cannabinoid receptors ($K_{is} = 11.9$ and 4.8 nM, respectively). A related compound, 1-pentyl-3-(1-adamantoyl)indole, along with another synthetic cannabinoid, AM679, was identified as having been sold as a cannabinoid herbal blend known as "smart products" in Hungary in 2011.

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

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