

Product Data Sheet

Product Name: S26131
Cat. No.: GC38844

Chemical Properties

Cas. No. 296280-56-3

SMILES CC(NCCC1=C2C=C(C=CC2=CC=C1)OCCCOCC3=CC=C4C=CC=C(C4=C3)CCNC(C)=O)=O

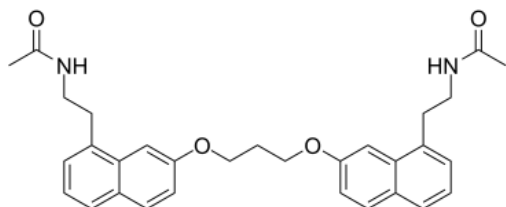
Formula $C_{31}H_{34}N_2O_4$ M.Wt 498.61

Solubility DMSO: 5 mg/mL (10.03 mM) 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

S26131 (compound 5) is a potent and selective MT1 melatoninerbic ligand, and the K_i values are 0.5 and 112 nM for MT1 and MT2, respectively. S26131 behaves as an MT1 and MT2 antagonist[1].

S26131 behaves as an antagonist on MT1 and MT2 receptors with K_B values of 5.32 and 143 nM, respectively[1].

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

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[1]. Descamps-François C, et al. Design and synthesis of naphthalenic dimers as selective MT1 melatoninerbic ligands. J Med Chem. 2003 Mar 27;46(7):1127-9.

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