

Product Data Sheet

Product Name: ML-030
Cat. No.: GC16072

Chemical Properties

Cas. No. 1013750-77-0

Chemical Name 3-(2,5-dimethoxyphenyl)-6-(3,4-dimethoxyphenyl)-7H-1,2,4-triazolo[3,4-b][1,3,4]thiadiazine

SMILES COC1=C(OC)C=CC(C(CS2)=NN3C2=NN=C3C4=C(OC)C=CC(OC)=C4)=C1

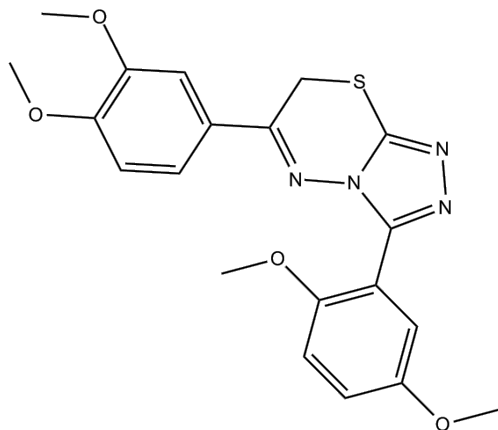
Formula $C_{20}H_{20}N_4O_4S$ M.Wt 412.5

Solubility $\leq 5\text{mg/ml}$ in DMSO 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

ML-030 is a potent PDE4 inhibitor, with IC_{50} of 6.7 nM, 12.9 nM, 48.2 nM, 37.2 nM, 452 nM and 49.2 nM for PDE4A, PDE4A1, PDE4B1, PDE4B2, PDE4C1, and PDE4D2, respectively.

ML-030 is potent in cell-based assay with an EC_{50} value of 18.7 nM[1].

References:

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

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[1]. Skoumbourdis AP, et al. Exploration and optimization of substituted triazolothiadiazines and triazolopyridazines as PDE4 inhibitors. Bioorg Med Chem Lett. 2009 Jul 1;19(13):3686-92.

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