

Product Data Sheet

Product Name: A6770
Cat. No.: GC46765

Chemical Properties

Cas. No. 1331754-16-5

SMILES OCC1=CN=C(C(C)=O)N1

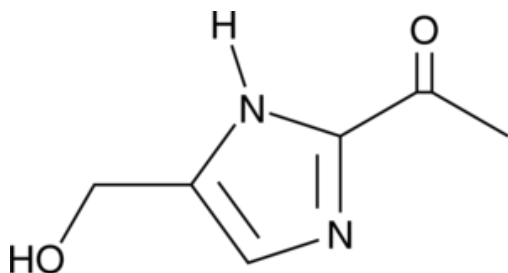
Formula C₆H₈N₂O₂ M.Wt 140.1

Solubility DMF: 30 mg/ml, DMSO: 30 mg/ml, PBS (pH 7.2): 10 mg/ml
Storage Store at -20°C

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

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

Structure



Background

A6770 is an inhibitor of sphingosine-1-phosphate (S1P) lyase.¹ It induces accumulation of [³H]sphinganine-1-phosphate ([³H]dhS1P), an S1P lyase substrate, in IT-79MTNC3 cells that endogenously express high levels of S1P lyase (EC₅₀ = <0.01 μM), an effect that is reduced in the presence of vitamin B₆ (EC₅₀ = <100 μM).

1. Ohtoyo, M., Tamura, M., Machinaga, N., et al. Scintillation proximity assay to detect the changes in cellular dihydrosphingosine 1-phosphate levels. *Lipids* 51(10):1207-1216 (2016)

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

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