

Product Data Sheet

Product Name: S6K-18
Cat. No.: GC49763

Chemical Properties

Cas. No. 1265789-88-5

SMILES O=C(C1=C(NC(NC2=CC3=C(NN=C3)C=C2)=O)SC(C(C)(C)C)=C1)O

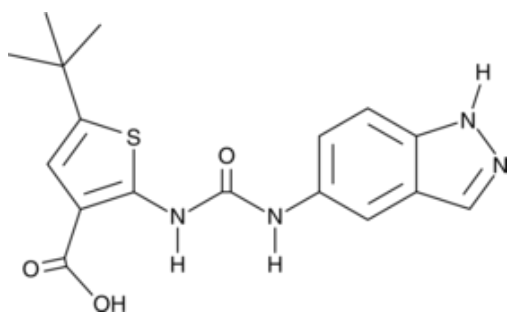
Formula C₁₇H₁₈N₄O₃S M.Wt 358.4

Solubility DMF: 1 mg/ml, DMSO: 2 mg/ml, Ethanol: 1 mg/ml, PBS (pH 7.2): insol 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

S6K-18 is an inhibitor of p70 ribosomal S6 kinase 1 (p70S6K1; IC₅₀ = 52 nM).¹ It is selective for p70S6K1 over a panel of 43 kinases at 1 μM.

1. Ye, P., Kuhn, C., Juan, M., et al. Potent and selective thiophene urea-templated inhibitors of

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

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S6KBioorg. Med. Chem. Lett.21(2)849-852(2011)

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