

Product Data Sheet

Product Name: ARN14988

Cat. No.: GC42854

Chemical Properties

Cas. No. 1502027-70-4

SMILES O=C(OCC(C)C)N(C(C(Cl)=CN1C(NCCCCC)=O)=O)C1=O

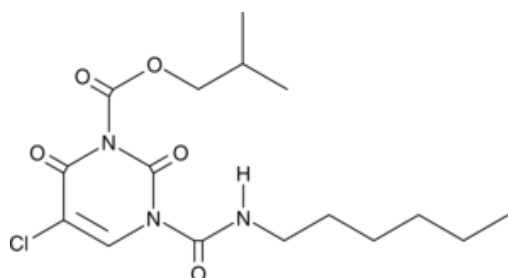
Formula C₁₆H₂₄ClN₃O₅ M.Wt 373.8

Solubility DMF: 30 mg/ml, DMSO: 30 mg/ml, DMSO:PBS (pH 7.2) (1:2): 0.33 mg/ml, Ethanol: slightly soluble
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

ARN14988 is a potent inhibitor of acid ceramidase (IC₅₀ = 12.8 nM for the human enzyme). It inhibits acid ceramidase activity and increases levels of C16 dihydro ceramide and C16 ceramide in A375, G361, M14, MeWo, MNT-1, and SK-MEL-28 melanoma cells. ARN14988 also reduces growth of A375 and G361 melanoma cells (EC₅₀s = 41.8 and 67.7 μM, respectively).

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

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