

Product Data Sheet

Product Name: CBS1117

Cat. No.: GC62116

Chemical Properties

Cas. No. 959245-08-0

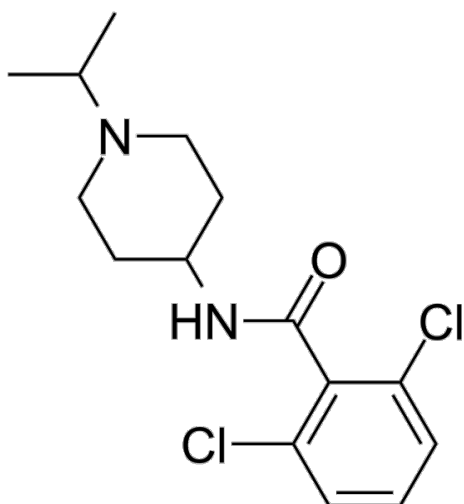
Formula $C_{15}H_{20}Cl_2N_2O$ M.Wt 315.24

Solubility DMSO : 250 mg/mL (793.05 mM; Storage Store at -20°C
Need ultrasonic)

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

CBS1117 is a virus entry inhibitor with an IC₅₀ of 70 nM for influenza A virus, A/Puerto Rico/8/34 (H1N1). CBS1117 interferes with the hemagglutinin (HA)-mediated fusion process[1].

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

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CBS1117 has a lower IC₅₀ value of 70 nM and higher CC₅₀ value of 274 μ M, leading to an excellent antiviral selectivity index value (SI value of 3914) in human lung epithelial cell line (A549)[1].

[1]. Hussein AFA, et al. Identification of entry inhibitors with 4-aminopiperidine scaffold targeting group 1 influenza A virus. Antiviral Res. 2020 May;177:104782.

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