

Product Name	: CBS1117
Synonyms	: —
Cat No.	: M22993
CAS Number	: 959245-08-0
Molecular Formula	: C ₁₅ H ₂₀ Cl ₂ N ₂ O
Formula Weight	: 315.24
Chemical Name	: —
Description	CBS1117 is an inhibitor virus entry inhibitor (IC ₅₀ of 70 nM for influenza A virus), A/Puerto Rico/8/34 (H1N1). It interferes with the hemagglutinin (HA)-mediated fusion process. CBS1117 which has a 50% inhibitory concentration of 70 nM and a selectivity index of ~4000 against A/Puerto Rico/8/34 (H1N1) infection in human lung epithelial cell line (A549).
Pathway	: Microbiology/Virology
Target	: Influenza Virus
Receptor	: influenza A virus
Solubility	: —
SMILES	: <chem>O=C(NC1CCN(C(C)C)CC1)C2=C(Cl)C=CC=C2Cl</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

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.