

Product Name	: Trifluoromethyl-tubercidin
Synonyms	: —
Cat No.	: M35960
CAS Number	: 1854086-05-7
Molecular Formula	: C ₁₂ H ₁₃ F ₃ N ₄ O ₄
Formula Weight	: 334.25
Chemical Name	: —
Description	: Trifluoromethyl-tubercidin (TFMT) is a 2'-O-ribose methyltransferase 1 (MTr1) inhibitor through interaction at its S-adenosyl-L-methionine binding pocket to restrict influenza virus replication.
Pathway	: Microbiology/Virology
Target	: Influenza Virus
Receptor	: Influenza Virus
Solubility	: —
SMILES	: <chem>O[C@H]1[C@H](N2C=3C(C(F)(F)F)=C2)=C(N)N=CN3)O[C@H](CO)[C@H]1O</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. Yuta Tsukamoto, et al. Inhibition of cellular RNA methyltransferase abrogates influenza virus capping and replication. Science. 2023 Feb 10;379(6632):586-591.?