

Product Name	: ML318
Synonyms	: —
Cat No.	: M22095
CAS Number	: 1610516-67-0
Molecular Formula	: C ₁₄ H ₈ F ₄ N ₂
Formula Weight	: 280.22
Chemical Name	: —
Description	ML318 is a biaryl nitrile PvdQ acylase inhibitor (IC ₅₀ of 20 nM for binding in the acyl-binding site). ML318 inhibits P. aeruginosa (PAO1) with IC ₅₀ of 19 μM. ML318 prevents pyoverdine production and limits the growth of P. aeruginosa under iron-limiting conditions.
Pathway	: Others
Target	: Other Targets
Receptor	: PvdQ acylase
Solubility	: —
SMILES	: <chem>Fc1ccc(cc1)C(C#N)c1cccc(n1)C(F)(F)F</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. Jacqueline M Wurst, et al. Identification of inhibitors of PvdQ, an enzyme involved in the synthesis of the siderophore pyoverdine. ACS Chem Biol. 2014 Jul 18;9(7):1536-44.