

Product Datasheet

TLR7/8 agonist 1 dihydrochloride (orb1220903)

Catalog Number	orb1220903
Category	Small Molecules
Description	TLR7/8 agonist 1 is a TLR7/8 agonist which shows prominent immunostimulatory activities.(In Vitro):TLR7/8 agonist 1 (Compound 5d) shows prominent immunostimulatory activities. TLR7/8 agonist 1 serves as a convenient precursor for the covalent attachment of fluorophores without significant loss of activity. TLR7/8 agonist 1 retains TLR7-agonistic activity with an EC50 of 20 nM. TLR7/8 agonist 1 (Compound 1) shows substantially different agonistic potencies in human TLR7 (50 nM) and TLR8 (55 nM) primary screens.
Target	TLR
Purity	>98% (HPLC)
MW	432.39
Target Areas	TLR7 TLR8
Solubility (25°C)	DMSO: 70 mg/mL (161.89 mM)
CAS Number	1620278-72-9
Formula	C ₂₂ H ₂₇ Cl ₂ N ₅
SMILES	Cl.Cl.CCCCc1nc2c(N)nc3cccc3c2n1Cc1ccc(CN)cc1
Chemical Name	2-(4-(Aminomethyl)benzyl)-1-butyl-1H-imidazo[45-c]quinolin-4-amine dihydrochloride
Storage	Storage temperature: -20°C. Stability: ≥ 2 years
Note	For research use only

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Expiration Date

12 months from date of receipt.

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