

Product Datasheet

A-582941 dihydrochloride (orb1306121)

Catalog Number	orb1306121
Category	Small Molecules
Description	A-582941 dihydrochloride is a selective partial agonist of the $\alpha 7$ nicotinic acetylcholine receptor ($\alpha 7$ nAChR). This compound is utilized in neuroscience research to investigate receptor function and has been applied in both in vitro and in vivo studies exploring cognitive processes and neuropsychiatric disorders.
Target	5-HT Receptor,AChR
Purity	99.55% (May vary between batches)
MW	353.29
Target Areas	5-HT Receptor AChR
Solubility (25°C)	DMSO:55 mg/mL (155.68 mM)
CAS Number	848591-90-2
Formula	$C_{17}H_{22}Cl_2N_4$
SMILES	<chem>CN(CC1C2)CC1CN2C3=NN=C(C4=CC=CC=C4)C=C3.Cl.Cl</chem>
Storage	Powder: -20°C for 3 years In solvent: -80°C for 1 year Shipping with blue ice/Shipping at ambient temperature.
Note	For research use only
Expiration Date	12 months from date of receipt.

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