

Product Information

Syk inhibitor TAK-659 hydrochloride, Purity ≥98%

Cat. No.: X24-06-ZQ529

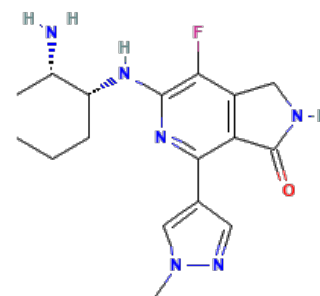
Size: 2 mg; 5 mg; 10 mg; 25 mg

CAS Number: 1952251-28-3

Compound CID: 129626432

Synonym: 1952251-28-3; Syk inhibitor

This product is for research use only and is not intended for diagnostic use.



Product Information

Description	TAK-659 hydrochloride, soluble in warmed water and insoluble in ethanol and DMSO, blocks the activity of spleen tyrosine kinase (Syk), a key protein involved in the signaling pathways of various immune cells and implicated in the pathogenesis of autoimmune diseases and certain cancers.
Molecular Weight	380.85
Molecular Formula	C ₁₇ H ₂₂ ClFN ₆ O
IUPAC Name	6-[[[(1 <i>R</i> ,2 <i>S</i>)-2-aminocyclohexyl]amino]-7-fluoro-4-(1-methylpyrazol-4-yl)-1,2-dihydropyrrolo[3,4- <i>c</i>]pyridin-3-one; hydrochloride
InChI	InChI=1S/C17H21FN6O.ClH/c1-24-8-9(6-21-24)15-13-10(7-20-17(13)25)14(18)16(23-15)22-12-5-3-2-4-11(12)19;/h6,8,11-12H,2-5,7,19H2,1H3,(H,20,25)(H,22,23);1H/t11-,12+;/m0./s1
InChI Key	PTCFBXMEFRIEGV-ZVWHLABXSA-N
Canonical SMILES	CN1C=C(C=N1)C2=NC(=C(C3=C2C(=O)NC3)F)NC4CCCC4N.Cl
Isomeric SMILES	CN1C=C(C=N1)C2=NC(=C(C3=C2C(=O)NC3)F)N[C@@H]4CCCC[C@@H]4N.Cl
Form	Lyophilized powder
Purity	≥98%
Solubility	DMSO: Insoluble; Warmed water: 3 mg/mL (7.88 mM); Ethanol: Insoluble
Identity	Confirmed by NMR/HPLC/MS.
Stability	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
Quality Level	Research grade



Applications

TAK-659 hydrochloride is investigated for its potential to modulate the immune response via Syk inhibition in disorders like lymphoma and leukemia.

Storage

Store at -20°C, and keep desiccated.
