CD BioGlyco

SUITE 201, 17 Ramsey Road, Shirley, NY 11967, USA

Tel: 1-631-637-6119 | Email: info@bioglyco.com

Product Information

Syk inhibitor BAY 61-3606 dihydrochloride, Purity ≥98%

Cat. No.: X24-06-ZQ421

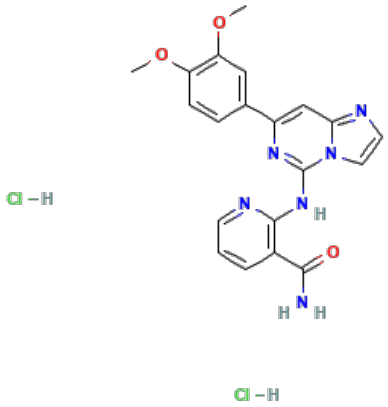
Size: 5 mg; 10 mg; 25 mg; 50 mg

CAS Number: 648903-57-5

Compound CID: 11784504

Synonym: 648903-57-5; Syk inhibitor; BAY61-3606; BAY-61-3606; BAY-613606

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



Product Information

Description	BAY 61-3606 dihydrochloride, soluble in DMSO and insoluble in ethanol and water, 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. It targets Syk.
Molecular Weight	463.32
Molecular Formula	$C_{20}H_{20}Cl_2N_6O_3$
Targets	Syk: 7.5 nM (Ki)
IUPAC Name	2-[[7-(3,4-Dimethoxyphenyl)imidazo[1,2-c]pyrimidin-5-yl]amino]pyridine-3-carboxamide;dihydrochloride
InChI	InChI=1S/C20H18N6O3.2ClH/c1-28-15-6-5-12(10-16(15)29-2)14-11-17-22-8-9-26(17)20(24-14)25-19-13(18(21)27)4-3-7-23-19;;/h3-11H,1-2H3,(H2,21,27)(H,23,24,25);2*1H
InChI Key	SPMFEULFGGPQLN-UHFFFAOYSA-N
Canonical SMILES	COC1=C(C=C(C=C1)C2=CC3=NC=CN3C(=N2)NC4=C(C=CC=N4)C(=O)N)OC.Cl.Cl
Form	Lyophilized powder
Purity	≥98%
Solubility	DMSO: 14 mg/mL (30.21 mM); Water: Insoluble; 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

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Applications	BAY 61-3606 dihydrochloride facilitates study of Syk kinase's role in immune response and its potential as a drug target for inflammatory and auto-immune diseases.
Storage	Store at -20ºC, and keep desiccated.