



Product Information

Trk receptor inhibitor AZ 23, Purity $\geq 98\%$

Cat. No.: X24-06-ZQ372

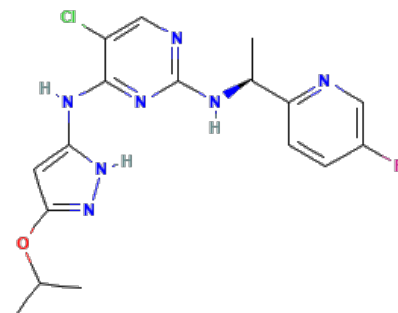
Size: 5 mg; 10 mg; 25 mg; 50 mg

CAS Number: 915720-21-7

Compound CID: 16097523

Synonym: 915720-21-7; Trk receptor inhibitor; AZ23; AZ-23

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



Product Information

Description	AZ 23 blocks the activity of tropomyosin receptor kinases, which are involved in the growth and survival of neurons. It targets TrkA and TrkB.
Molecular Weight	391.83
Molecular Formula	C ₁₇ H ₁₉ ClFN ₇ O
Targets	TrkA: 2 nM; TrkB: 8 nM
IUPAC Name	5-Chloro-2-N-[(1S)-1-(5-fluoropyridin-2-yl)ethyl]-4-N-(3-propan-2-yloxy-1H-pyrazol-5-yl)pyrimidine-2,4-diamine
InChI	InChI=1S/C17H19ClFN7O/c1-9(2)27-15-6-14(25-26-15)23-16-12(18)8-21-17(24-16)22-10(3)13-5-4-11(19)7-20-13/h4-10H,1-3H3,(H3,21,22,23,24,25,26)/t10-m/s1
InChI Key	LBVKEEFIPBQIMD-JTQLQIEISA-N
Canonical SMILES	CC(C)OC1=NNC(=C1)NC2=NC(=NC=C2Cl)NC(C)C3=NC=C(C=C3)F
Isomeric SMILES	C[C@@H](C1=NC=C(C=C1)F)NC2=NC=C(C(=N2)NC3=CC(=NN3)OC(C)C)Cl
Form	Lyophilized powder
Purity	$\geq 98\%$
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	AZ 23 is used in research to block TrkA/B/C receptor signaling, providing insights into potential treatment pathways for neurodegenerative diseases.



Storage

Store at -20°C, and keep desiccated.
