



Product Information

Ras inhibitor XRP44X, Purity $\geq 98\%$

Cat. No.: X24-05-ZQ904

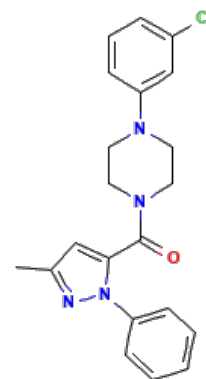
Size: 5 mg; 10 mg; 50 mg

CAS Number: 729605-21-4

Compound CID: 10339779

Synonym: 729605-21-4; XRP 44X; Ras inhibitor

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



Product Information

Description	XRP44X blocks the activity of Ras proteins, which play a key role in cell signal transduction and are frequently implicated in oncogenic mutations.
Molecular Weight	380.87
Molecular Formula	C ₂₁ H ₂₁ ClN ₄ O
IUPAC Name	[4-(3-Chlorophenyl)piperazin-1-yl]-(5-methyl-2-phenylpyrazol-3-yl)methanone
InChI	InChI=1S/C21H21ClN4O/c1-16-14-20(26(23-16)18-7-3-2-4-8-18)21(27)25-12-10-24(11-13-25)19-9-5-6-17(22)15-19/h2-9,14-15H,10-13H2,1H3
InChI Key	NPHPNBGYPKBDDDB-UHFFFAOYSA-N
Canonical SMILES	CC1=NN(C(=C1)C(=O)N2CCN(CC2)C3=CC(=CC=C3)Cl)C4=CC=CC=C4
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.
Applications	XRP44X can be used to inhibit the Ras-ERK signaling pathway in cancer research.
Storage	Store at -20°C.