CD BioGlyco

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

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Product Information

p38-MAPK inhibitor TAK-715, Purity ≥98%

Cat. No.: X23-10-ZQ887

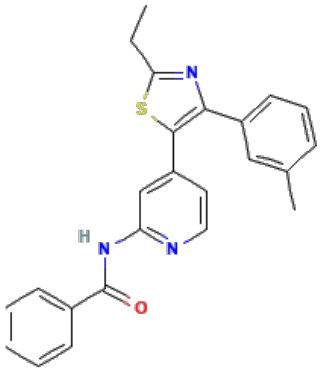
Size: 10 mg; 25 mg; 50 mg; 100 mg

MDL: MFCD17012805

CAS Number: 303162-79-0

Compound CID: 9952773

Synonym: TAK-715; 303162-79-0; TAK 715; *N*-(4-(2-ethyl-4-(m-tolyl)thiazol-5-yl)pyridin-2-yl)benzamide; TAK715; *R*-[4-[2-ethyl-4-(3-methylphenyl)-5-thiazolyl]-2-pyridinyl]-Benzamide; p38-MAPK inhibitor



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

Product Information

Description	TAK-715, soluble in DMSO and ethanol and insoluble in water, targets the ATP-binding site of the kinase, thereby preventing phosphorylation of downstream substrates. It targets ERK1, IKKβ, JNK1, and MEKK1.
Molecular Weight	399.51
Molecular Formula	$C_{24}H_{21}N_3OS$
Targets	ERK1: >10 μM; IKKβ: >10 μM; JNK1: >10 μM; MEKK1: >10 μM
IUPAC Name	*N*-[4-[2-Ethyl-4-(3-methylphenyl)-1,3-thiazol-5-yl]pyridin-2-yl]benzamide
InChI	InChI=1S/C24H21N3OS/c1-3-21-27-22(18-11-7-8-16(2)14-18)23(29-21)19-12-13-25-20(15-19)26-24(28)17-9-5-4-6-10-17/h4-15H,3H2,1-2H3,(H,25,26,28)
InChI Key	HEKAIDKUDLCBRU-UHFFFAOYSA-N
Canonical SMILES	CCC1=NC(=C(S1)C2=CC(=NC=C2)NC(=O)C3=CC=CC=C3)C4=CC=CC(=C4)C
Form	Lyophilized powder
Purity	≥98%
Solubility	DMSO: 72 mg/mL (180.22 mM); Water: Insoluble; Ethanol: 14 mg/mL (35.04 mM)
Identity	Confirmed by NMR/HPLC/MS.
Stability	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
Applications	TAK-715 can be used to study p38 MAP kinase inhibition and its effects on inflammatory disease

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	models.
Storage	Store at -20ºC.