

Product Information

Raf inhibitor TAK-632, Purity ≥98%

Cat. No.: X23-10-ZQ969

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

MDL: MFCD26960965

CAS Number: 1228591-30-7

Compound CID: 46209401

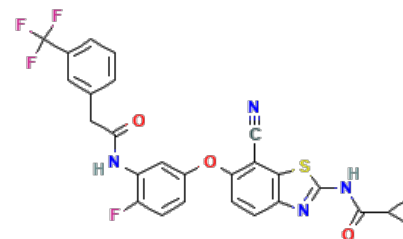
Synonym: TAK-632; 1228591-30-7; TAK632; *N*

-(7-Cyano-6-(4-fluoro-3-(2-(3-(trifluoromethyl)phenyl)acetamido)phenoxy)benzo[d]thiazol-2-yl)cyclopropanecarboxamide;

N

-[7-Cyano-6-[4-fluoro-3-([3-(Trifluoromethyl)phenyl]acetyl)amino]phenoxy]-1,3-Benzothiazol-2-yl)cyclopropanecarboxamide; Raf inhibitor

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



Product Information

Description	TAK-632, soluble in DMSO and ethanol and insoluble in water, blocks a MAPK/ERK signaling pathway. It targets Aurora B, B-Raf, c-Kit, and c-Met.
Molecular Weight	554.51
Molecular Formula	C ₂₇ H ₁₈ F ₄ N ₄ O ₃ S
Targets	Aurora B: 66 nM; B-Raf: 8.3 nM; c-Kit: >10 μM; c-Met: >10 μM
IUPAC Name	<i>N</i> -[7-Cyano-6-[4-fluoro-3-[[2-[3-(trifluoromethyl)phenyl]acetyl]amino]phenoxy]-1,3-benzothiazol-2-yl]cyclopropanecarboxamide
InChI	InChI=1S/C27H18F4N4O3S/c28-19-7-6-17(12-21(19)33-23(36)11-14-2-1-3-16(10-14)27(29,30)31)3-8-22-9-8-20-24(18(22)13-32)39-26(34-20)35-25(37)15-4-5-15/h1-3,6-10,12,15H,4-5,11H2,(H,33,36)(H,34,35,37)
InChI Key	OJFKUJDRGJSAQB-UHFFFAOYSA-N
Canonical SMILES	C1CC1C(=O)NC2=NC3=C(S2)C(=C(C=C3)OC4=CC(=C(C=C4)F)NC(=O)CC5=CC(=CC=C5)C(F)(F)F)C#N
Form	Lyophilized powder
Purity	≥98%



Solubility	DMSO: 99 mg/mL (178.53 mM); Water: Insoluble; Ethanol: 2 mg/mL (3.6 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-632 can be applied to investigate pan-RAF inhibition in various cancer research models.
Storage	Store at -20°C.
