



Product Information

Ras inhibitor Kobe2602, Purity $\geq 98\%$

Cat. No.: X24-05-ZQ885

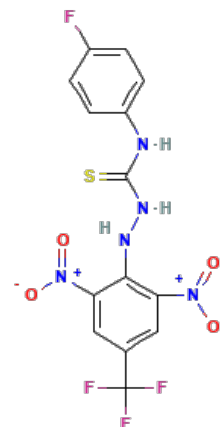
Size: 10 mg; 50 mg; 100 mg; 200 mg

CAS Number: 454453-49-7

Compound CID: 3827738

Synonym: 454453-49-7; Kobe-2602; Ras inhibitor

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



Product Information

Description	Kobe2602, soluble in DMSO and ethanol and insoluble in water, blocks the activity of Ras proteins, which play a key role in cell signal transduction and are frequently implicated in oncogenic mutations.
Molecular Weight	419.31
Molecular Formula	C ₁₄ H ₉ F ₄ N ₅ O ₄ S
IUPAC Name	1-[2,6-Dinitro-4-(trifluoromethyl)anilino]-3-(4-fluorophenyl)thiourea
InChI	InChI=1S/C14H9F4N5O4S/c15-8-1-3-9(4-2-8)19-13(28)21-20-12-10(22(24)25)5-7(14(16,17)18)6-11(12)23(26)27/h1-6,20H,(H2,19,21,28)
InChI Key	NNPBSITXCGPXJC-UHFFFAOYSA-N
Canonical SMILES	C1=CC(=CC=C1NC(=S)NNC2=C(C=C(C=C2[N+](=O)[O-])C(F)(F)F)[N+](=O)[O-])F
Form	Lyophilized powder
Purity	$\geq 98\%$
Solubility	DMSO: 79 mg/mL (188.4 mM); Water: Insoluble; Ethanol: 38 mg/mL (90.62 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	Kobe2602 can be used to study inhibition of Ras signaling pathways in oncology.
Storage	Store at -20°C.