



Product Information

Ras inhibitor Kobe0065, Purity ≥98%

Cat. No.: X24-05-ZQ891

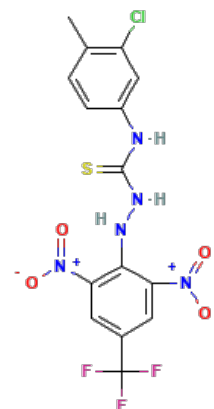
Size: 10 mg; 25 mg; 50 mg

CAS Number: 436133-68-5

Compound CID: 3827663

Synonym: 436133-68-5; Kobe-0065; Ras inhibitor

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



Product Information

Description	Kobe0065, 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	449.79
Molecular Formula	C ₁₅ H ₁₁ ClF ₃ N ₅ O ₄ S
IUPAC Name	1-(3-Chloro-4-methylphenyl)-3-[2,6-dinitro-4-(trifluoromethyl)anilino]thiourea
InChI	InChI=1S/C15H11ClF3N5O4S/c1-7-2-3-9(6-10(7)16)20-14(29)22-21-13-11(23(25)26)4-8(15(17,18)19)5-12(13)24(27)28/h2-6,21H,1H3,(H2,20,22,29)
InChI Key	KSJWAYBCXSURMQ-UHFFFAOYSA-N
Canonical SMILES	CC1=C(C=C(C=C1)NC(=S)NNC2=C(C=C(C=C2[N+](=O)[O-])C(F)(F)F)[N+](=O)[O-])Cl
Form	Lyophilized powder
Purity	≥98%
Solubility	DMSO: 85 mg/mL (188.98 mM); Water: Insoluble; Ethanol: 12 mg/mL (26.68 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	Kobe0065 can be employed in investigating Ras signaling inhibition.
Storage	Store at -20°C.