

CGK733

Chemical Properties

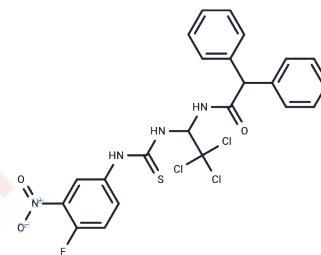
CAS No. : 905973-89-9

Formula: C₂₃H₁₈Cl₃FN₄O₃S

Molecular Weight: 555.84

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	CGK733 (CGK 733) is a potent and selective inhibitor of ATM/ATR.
Targets(IC ₅₀)	ATM/ATR
In vivo	In senescent cells with halted proliferation, treatment with CGK733 leads to the disappearance of senescence-associated beta-galactosidase (SA-β-gal) activity, enabling the cells to proliferate. In aged MCF-7 cells, 24-hour treatment with CGK733 (30 μM) can induce cell death. Furthermore, in various cancer cells, such as MCF-7 and T47D estrogen receptor (ER) positive breast cancer cells, MDA-MB436 ER-negative breast cancer cells, LnCap precursor cancer cells, and HCT116 colon cancer cells, CGK733 (0.6-40 μM) has the capability to inhibit proliferation.

Solubility Information

Solubility	DMSO: 100 mg/mL (179.91 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7991 mL	8.9954 mL	17.9908 mL
5 mM	0.3598 mL	1.7991 mL	3.5982 mL
10 mM	0.1799 mL	0.8995 mL	1.7991 mL
50 mM	0.036 mL	0.1799 mL	0.3598 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Reference

Won J, et al. Nat Chem Biol, 2006, 2(7), 369-374.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only· Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:36 Washington Street,Wellesley Hills,MA 02481