



LKT Laboratories, Inc.

CGK 733

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## Product Information

Product ID C2540

CAS No. 905973-89-9

### Chemical Name

Synonym CGK733, CGK 733, ATM/ATR Kinase Inhibitor

Formula  $C_{23}H_{18}Cl_3FN_4O_3S$

Formula Wt. 555.83

### Melting Point

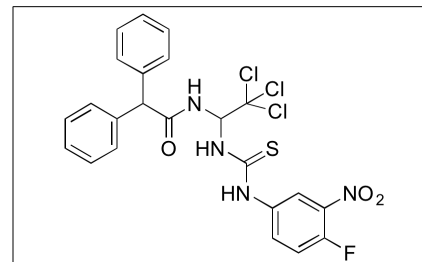
Purity  $\geq 98\%$

Solubility DMSO Solubility:  
100 mg/mL (179.9 mM)

Store Temp  $-20^{\circ}C$

Ship Temp Ambient

Description CGK733 is an inhibitor of ATM and ATR kinases that prevents double-stranded DNA strand break repair. CGK733 displays anticancer activity, decreases expression of p21 in senescent cells and induces cell death in cancer cells and fibroblasts.



**Bulk quantities available upon request**

Product ID	Size
C2540	1 mg
C2540	5 mg
C2540	10 mg
C2540	25 mg

References Jekimovs C, Bolderson E, Suraweera A, et al. Chemotherapeutic compounds targeting the DNA double-strand break repair pathways: the good, the bad, and the promising. *Front Oncol.* 2014 Apr 22;4:86. PMID: 24795863.

Alao JP, Sunnerhagen P. The ATM and ATR inhibitors CGK733 and caffeine suppress cyclin D1 levels and inhibit cell proliferation. *Radiat Oncol.* 2009 Nov 10;4:51. PMID: 19903334.

**Caution:** This product is intended for laboratory and research use only. It is not for human or drug use.