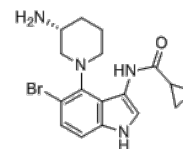


**Product Name** : GDC-0575  
**Cat. No.** : PC-60276  
**CAS No.** : 1196541-47-5  
**Molecular Formula** : C<sub>17</sub>H<sub>21</sub>BrN<sub>4</sub>O  
**Molecular Weight** : 377.286  
**Target** : Checkpoint Kinase (Chk)  
**Solubility** : 10 mM in DMSO



### Biological Activity

GDC-0575 (ARRY-575, RG7741) is a potent, selective and orally bioavailable **Chk1** inhibitor with IC<sub>50</sub> of 1.2 nM.

GDC-0575 (ARRY-575, RG7741) enhances the killing of primary AML cells ex vivo by inducing apoptosis combined with AraC, blocks the activation of CHK1 induced by AraC via decrease in the level of Tyr15-phosphorylated CDK2 at 100 nM in AML cells.

### References

Duan W, et al. *Front Oncol.* 2014 Dec 19;4:368.

Di Tullio A, et al. *Nat Commun.* 2017 Nov 22;8(1):1679.

**Caution: Product has not been fully validated for medical applications. Lab Use Only!**

E-mail: tech@probechem.com