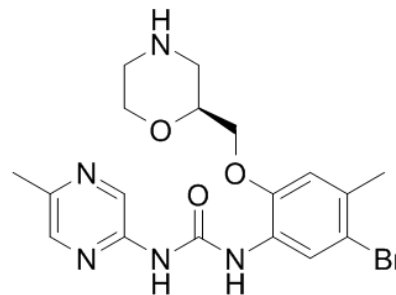


**Product Name** : LY2603618  
**Cat. No.** : PC-44037  
**CAS No.** : 911222-45-2  
**Molecular Formula** : C<sub>18</sub>H<sub>22</sub>BrN<sub>5</sub>O<sub>3</sub>  
**Molecular Weight** : 436.303  
**Target** : Checkpoint Kinase (Chk)  
**Solubility** : DMSO: 29.5 mg/mL



## Biological Activity

Rabusertib (LY2603618) is a potent and selective small molecule inhibitor of **Chk1** (IC<sub>50</sub> = 7 nM). Rabusertib (LY2603618) promotes impaired DNA synthesis and elevates H2A.X phosphorylation indicative of DNA damage and premature entry into mitosis.

## References

- King C, et al. *Invest New Drugs*. 2014 Apr;32(2):213-26.  
Emiliano Calvo1, et al. *Mol Cancer Ther*, 2011, A94.

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

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