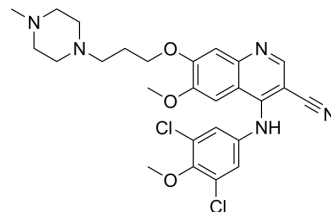


## Bosutinib isomer

Cat. No.:	HY-103029
CAS No.:	1391063-17-4
Molecular Formula:	C <sub>26</sub> H <sub>29</sub> Cl <sub>2</sub> N <sub>3</sub> O <sub>3</sub>
Molecular Weight:	530.45
Target:	Wee1
Pathway:	Cell Cycle/DNA Damage
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



## BIOLOGICAL ACTIVITY

Description	Bosutinib isomer is a ligand or inhibitor with high binding affinity for both Wee1 and Wee2, with K <sub>d</sub> values of 43.7 ± 10.0 and 4.7 ± 2.3 nM, respectively <sup>[1]</sup> .
In Vitro	Bosutinib isomer (0-10 μM) shows the high growth inhibitory potential against HEK293T, MM1.S, and MDA-MB-231 cells, with IC <sub>50</sub> values of 1.6 ± 0.19, 3.9 ± 0.50, and 1.8 ± 0.061 μM, respectively <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

## REFERENCES

[1]. Zhu JY, et al. Structural Basis of Wee Kinases Functionality and Inactivation by Diverse Small Molecule Inhibitors. J Med Chem. 2017 Sep 28;60(18):7863-7875.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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