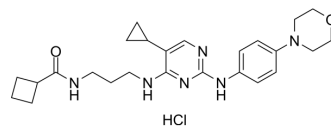


## MRT 68601 hydrochloride

Cat. No.:	HY-110341
CAS No.:	1962928-25-1
Molecular Formula:	C <sub>25</sub> H <sub>35</sub> ClN <sub>6</sub> O <sub>2</sub>
Molecular Weight:	487.04
Target:	IKK
Pathway:	NF-κB
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

MRT 68601 hydrochloride is a TBK1 inhibitor with an IC<sub>50</sub> value of 6 nM. MRT 68601 hydrochloride inhibits autophagosome formation in lung cancer cells<sup>[1][2]</sup>.

### REFERENCES

[1]. Newman AC, et al. TBK1 kinase addiction in lung cancer cells is mediated via autophagy of Tax1bp1/Ndp52 and non-canonical NF-κB signalling. PLoS One. 2012;7(11):e50672.

[2]. McIver EG, et al. Synthesis and structure-activity relationships of a novel series of pyrimidines as potent inhibitors of TBK1/IKKε kinases. Bioorg Med Chem Lett. 2012 Dec 1;22(23):7169-73.

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

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