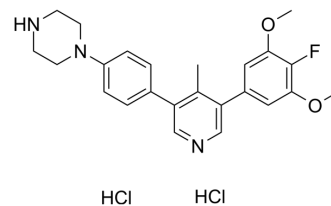


## M4K2163 dihydrochloride

Cat. No.:	HY-155939
CAS No.:	2863635-04-3
Molecular Formula:	C <sub>24</sub> H <sub>28</sub> Cl <sub>2</sub> FN <sub>3</sub> O <sub>2</sub>
Molecular Weight:	480.4
Target:	TGF-β Receptor
Pathway:	TGF-beta/Smad
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

M4K2163 dihydrochloride is a potent, selective, blood-brain barrier (BBB) permeable activin receptor-like kinase-2 (ALK2) inhibitor, with an IC<sub>50</sub> of 19 nM. M4K2163 dihydrochloride can be used in the research of diffuse intrinsic pontine glioma (DIPG)<sup>[1][2]</sup>.

### REFERENCES

[1]. Smil D, et al. Leveraging an Open Science Drug Discovery Model to Develop CNS-Penetrant ALK2 Inhibitors for the Treatment of Diffuse Intrinsic Pontine Glioma. *J Med Chem.* 2020 Sep 10;63(17):10061-10085.

[2]. Rooney L, et al. Recent Advances in ALK2 Inhibitors. *ACS Omega.* 2021 Aug 6;6(32):20729-20734.

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

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