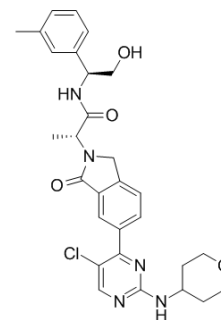


## ERK1/2 inhibitor 1

Cat. No.:	HY-112287
CAS No.:	2095719-90-5
Molecular Formula:	C <sub>29</sub> H <sub>32</sub> ClN <sub>5</sub> O <sub>4</sub>
Molecular Weight:	550.05
Target:	ERK
Pathway:	MAPK/ERK Pathway; Stem Cell/Wnt
Storage:	Please store the product under the recommended conditions in the COA.



### BIOLOGICAL ACTIVITY

Description	ERK1/2 inhibitor 1 is a potent, orally bioavailable ERK1/2 inhibitor, showing 60% inhibition at 1 nM and an IC <sub>50</sub> of 3.0 nM against ERK1 and ERK2, respectively <sup>[1]</sup> .	
IC <sub>50</sub> & Target	ERK2 3.0 nM (IC <sub>50</sub> )	ERK1
In Vitro	ERK1/2 inhibitor 1 (Compound 27) shows excellent antiproliferative potency with IC <sub>50</sub> s of 4.9 and 7.5 nM in A375 and Colo205 cells, respectively <sup>[1]</sup> .	

### REFERENCES

[1]. Heightman TD, et al. Fragment-Based Discovery of a Potent, Orally Bioavailable Inhibitor That Modulates the Phosphorylation and Catalytic Activity of ERK1/2. *J Med Chem.* 2018 Jun 14;61(11):4978-4992.

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

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