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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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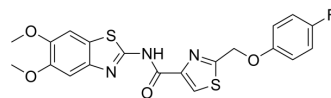
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ERK2/p38 α MAPK-IN-1

Cat. No.:	HY-161462
CAS No.:	1016427-72-7
Molecular Formula:	C ₂₀ H ₁₆ FN ₃ O ₄ S ₂
Molecular Weight:	445.49
Target:	ERK; p38 MAPK
Pathway:	MAPK/ERK Pathway; Stem Cell/Wnt
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

ERK2/p38 α MAPK-IN-1 (Compound 1, In silico Hit-2) is a potent and selective ERK2 and p38 α MAPK inhibitor, with an IC₅₀ of 82 μ M for ERK2. ERK2/p38 α MAPK-IN-1 binds to the allosteric site of ERK2 and p38 α MAPK in distinct manners. ERK2/p38 α MAPK-IN-1 can be used for the research of type 2 diabetes^[1].

REFERENCES

[1]. Hasegawa S, et al. Distinct binding modes of a benzothiazole derivative confer structural bases for increasing ERK2 or p38 α MAPK selectivity. *Biochem Biophys Res Commun.* 2024 Apr 16;704:149707.

[2]. Kinoshita T, et al. Identification of allosteric ERK2 inhibitors through in silico biased screening and competitive binding assay. *Bioorg Med Chem Lett.* 2016 Feb 1;26(3):955-958.

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

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