ERK2/p38α MAPK-IN-1

Cat. No.:HY-161462CAS No.:1016427-72-7Molecular Formula:C_20H16FN3O4S2Molecular Weight:445.49Target:ERK; p38 MAPKPathway:MAPK/ERK Pathway; Stem Cell/WntStorage:Please store the product under the recommended conditions in the Certificate of Analysis			
Molecular Formula: C20H16FN304S2 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	Cat. No.:	HY-161462	
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Description ERK2/p38a MAPK-IN-1 (Compound 1, In silico Hit-2) is a potent and selective ERK2 and p38a MAPK inhibitor, with an IC₅₀ of 82 μM for ERK2. ERK2/p38α MAPK-IN-1 binds to the allosteric site of ERK2 and p38α MAPK in distinct manners. ERK2/p38α 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 p38a 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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Product Data Sheet



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