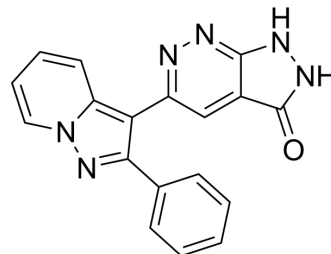


ERK Inhibitor II (Negative control)

Cat. No.:	HY-112469
CAS No.:	1177970-73-8
Molecular Formula:	C ₁₈ H ₁₂ N ₆ O
Molecular Weight:	328.33
Target:	ERK; Insulin Receptor
Pathway:	MAPK/ERK Pathway; Stem Cell/Wnt; Protein Tyrosine Kinase/RTK
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	ERK Inhibitor II (Negative control) is an effective inhibitor of extracellular signal-regulated kinase (ERK). ERK Inhibitor II (Negative control) inhibits the activation of insulin receptor, which can be used in the study of diabetes ^{[1][2]} .
In Vitro	ERK Inhibitor II (Negative control) (Irfin1) (10 μM) inhibits insulin induced activation of insulin receptor (IR) in CHO-K1 cells ^[2] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

- [1]. Rezania A, et al. Differentiation of human embryonic stem cells to the pancreatic endocrine lineage. World Intellectual Property Organization. WO2010051223.
- [2]. Anastassiadis T, et al. A highly selective dual insulin receptor (IR)/insulin-like growth factor 1 receptor (IGF-1R) inhibitor derived from an extracellular signal-regulated kinase (ERK) inhibitor. J Biol Chem. 2013 Sep 27;288(39):28068-77.

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

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