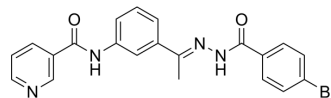


BHEPN

Cat. No.:	HY-163125
Molecular Formula:	C ₂₁ H ₁₇ BrN ₄ O ₂
Molecular Weight:	437.29
Target:	VEGFR
Pathway:	Protein Tyrosine Kinase/RTK
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	BHEPN is an inhibitor of vascular endothelial growth factor receptor-2 (VEGFR-2). BHEPN has inhibition of VEGFR-2 with an IC ₅₀ value of 0.320 μM. BHEPN also exhibits remarkable cytotoxic effects against HepG2 and MCF-7 cancer cell lines, with IC ₅₀ values of 0.19 μM and 1.18 μM, respectively. BHEPN can be used for anticancer research ^[1] .
IC ₅₀ & Target	IC ₅₀ : 0.320 μM (VEGFR-2); 0.19 μM (HepG2); 1.18 μM (MCF-7) ^[1]

REFERENCES

[1]. Eissa IH, et al. Exploring the anticancer properties of a new nicotinamide analogue: Investigations into in silico analysis, antiproliferative effects, selectivity, VEGFR-2 inhibition, apoptosis induction, and migration suppression. *Pathol Res Pract.* 2023 Dec;252:154924.

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

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