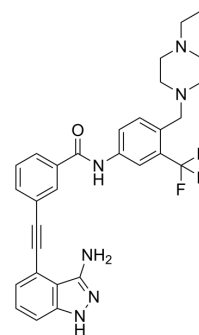


AKE-72

Cat. No.:	HY-157327
CAS No.:	2566525-18-4
Molecular Formula:	C ₃₀ H ₂₉ F ₃ N ₆ O
Molecular Weight:	546.59
Target:	Bcr-Abl
Pathway:	Protein Tyrosine Kinase/RTK
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

AKE-72 (compound 5) is a potent inhibitor of Pan-BCR-ABL. AKE-72 inhibits BCR-ABL^{WT}, BCR-ABL^{T315}, BCR-ABL^{E255K}, BCR-ABL^{F317I}, BCR-ABL^{H396P} and BCR-ABL^{Q252H} with IC₅₀s of < 0.5, 9, 8.98, 3.12, < 1.0 and 3.88 nM, respectively. AKE-72 has anti-leukemic activity against K-562 cell line^[1].

REFERENCES

[1]. 3-((3-amino-1H-indazol-4-yl)ethynyl)-N-(4-((4-ethylpiperazin-1-yl)methyl)-3-(trifluoromethyl)phenyl)benzamide (AKE-72), a potent Pan-BCR-ABL inhibitor including the T315I gatekeeper resistant mutant. J Enzyme Inhib Med Chem. 2023 Dec;38(1):2228515.

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

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