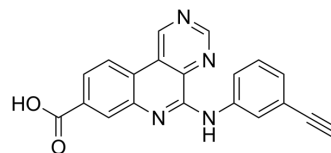


CX-5011 free base

Cat. No.:	HY-50733
CAS No.:	1009821-06-0
Molecular Formula:	C ₂₀ H ₁₂ N ₄ O ₂
Molecular Weight:	340.33
Target:	Apoptosis; Casein Kinase; Ras
Pathway:	Apoptosis; Cell Cycle/DNA Damage; Stem Cell/Wnt; GPCR/G Protein; MAPK/ERK Pathway
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	CX-5011 free base is a potent CK2 inhibitor. CX-5011 free base also is a Rac-1 activator. CX-5011 free base induces methuosis and promotes macropinocytosis. CX-5011 free base induces apoptosis. CX-5011 free base decreases the expression of rpS6 phosphorylation ^{[1][2]} .
IC ₅₀ & Target	Rac-1 ^[1]

REFERENCES

[1]. D'Amore C, et al. "Janus" efficacy of CX-5011: CK2 inhibition and methuosis induction by independent mechanisms. *Biochim Biophys Acta Mol Cell Res.* 2020 Nov;1867(11):118807.

[2]. Salizzato V, et al. Inhibition of protein kinase CK2 by CX-5011 counteracts imatinib-resistance preventing rpS6 phosphorylation in chronic myeloid leukaemia cells: new combined therapeutic strategies. *Oncotarget.* 2016 Apr 5;7(14):18204-18.

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

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