

XRP44X

Chemical Properties

CAS No.:	729605-21-4
Formula:	C ₂₁ H ₂₁ ClN ₄ O
Molecular Weight:	380.87
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

Biological Description

Description	XRP44X is a potent inhibitor of Ras-Net (Elk-3) pathway.
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Solubility Information

Solubility	DMSO: Soluble (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.626 mL	13.128 mL	26.256 mL
5 mM	0.525 mL	2.626 mL	5.251 mL
10 mM	0.263 mL	1.313 mL	2.626 mL
50 mM	0.053 mL	0.263 mL	0.525 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. Li TZ, Kim SM, Hur W, Choi JE, Kim JH, Hong SW, Lee EB, Lee JH, Yoon SK. Elk-3 Contributes to the Progression of Liver Fibrosis by Regulating the Epithelial-Mesenchymal Transition. Gut Liver. 2017 Jan 15;11(1):102-111. doi: 10.5009/gnl15566. PubMed PMID: 27538444; PubMed Central PMCID: PMC5221867.
2. Semenchenko K, Wasylyk C, Cheung H, Tourrette Y, Maas P, Schalken JA, van der Pluijm G, Wasylyk B. XRP44X, an Inhibitor of Ras/Erk Activation of the Transcription Factor Elk3, Inhibits Tumour Growth and Metastasis in Mice. PLoS One. 2016 Jul 18;11(7):e0159531. doi: 10.1371/journal.pone.0159531. eCollection 2016. PubMed PMID: 27427904; PubMed Central PMCID: PMC4948895.
3. Chen J, Sun WL, Wasylyk B, Wang YP, Zheng H. c-Jun N-terminal kinase mediates microtubule-depolymerizing agent-induced microtubule depolymerization and G2/M arrest in MCF-7 breast cancer cells. Anticancer Drugs. 2012 Jan;23(1):98-107. doi: 10.1097/CAD.0b013e32834bc978. PubMed PMID: 21968419.
4. Wasylyk C, Zheng H, Castell C, Debussche L, Multon MC, Wasylyk B. Inhibition of the Ras-Net (Elk-3) pathway by a novel pyrazole that affects microtubules. Cancer Res. 2008 Mar 1;68(5):1275-83. doi: 10.1158/0008-5472.CAN-07-2674. PubMed PMID: 18316589.

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