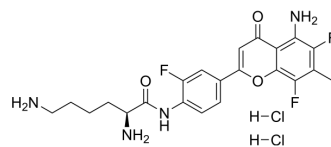


AFP464 dihydrochloride

Cat. No.:	HY-16031B
Molecular Formula:	C ₂₂ H ₂₅ Cl ₂ F ₃ N ₄ O ₃
Molecular Weight:	521.36
Target:	HIF/HIF Prolyl-Hydroxylase
Pathway:	Metabolic Enzyme/Protease
Storage:	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 50 mg/mL (95.90 mM; Need ultrasonic)
H₂O : 16.67 mg/mL (31.97 mM; ultrasonic and warming and heat to 60°C)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	1.9181 mL	9.5903 mL	19.1806 mL
	5 mM	0.3836 mL	1.9181 mL	3.8361 mL
	10 mM	0.1918 mL	0.9590 mL	1.9181 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

AFP464 (dihydrochloride) (NSC710464 (dihydrochloride)) is the hydrochloride form of AFP464 and is a potent HIF-1 α inhibitor with an IC₅₀ value of 0.25 μ M. It is also an activator of aryl hydrocarbon receptor (AhR).

REFERENCES

[1]. Terzuoli E1, Aminoflavone, a ligand of the aryl hydrocarbon receptor, inhibits HIF-1 α expression in an AhR-independent fashion. Cancer Res. 2010 Sep 1;70(17):6837-48.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA