## Ulixertinib hydrochloride

MedChemExpress

®

Cat. No.:	HY-15816A	
CAS No.:	1956366-10-1	
Molecular Formula:	C <sub>21</sub> H <sub>23</sub> Cl <sub>3</sub> N <sub>4</sub> O <sub>2</sub>	CI
Molecular Weight:	469.79	
Target:	ERK	
Pathway:	MAPK/ERK Pathway; Stem Cell/Wnt	CI
Storage:	4°C, sealed storage, away from moisture	
	* In solvent : -80°C, 2 years; -20°C, 1 year (sealed storage, away from moisture)	

## SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (212.86 mM; Need ultrasonic) H <sub>2</sub> O : < 0.1 mg/mL (insoluble)						
	Preparing Stock Solutions	Solvent Concentration	1 mg	5 mg	10 mg		
		1 mM	2.1286 mL	10.6431 mL	21.2861 mL		
		5 mM	0.4257 mL	2.1286 mL	4.2572 mL		
		10 mM	0.2129 mL	1.0643 mL	2.1286 mL		
	Please refer to the solubility information to select the appropriate solvent.						
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.08 mg/mL (4.43 mM); Clear solution						
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.08 mg/mL (4.43 mM); Clear solution						
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.08 mg/mL (4.43 mM); Clear solution						

**Product** Data Sheet

## **CUSTOMER VALIDATION**

- Sci Transl Med. 2021 Jan 27;13(578):eaba7308.
- Nat Commun. 2023 Nov 2;14(1):6997.
- Nat Commun. 2023 May 19;14(1):2859.
- Nat Commun. 2022 Jul 14;13(1):4078.
- Adv Sci (Weinh). 2022 Oct;9(30):e2200717.

See more customer validations on www.MedChemExpress.com

## REFERENCES

[1]. Ward RA, et al. Structure-Guided Design of Highly Selective and Potent Covalent Inhibitors of ERK1/2. J Med Chem. 2015 Jun 11;58(11):4790-801.

[2]. Changwen Ning, et al. Targeting ERK Enhances the Cytotoxic Effect of the Novel PI3K and mTOR Dual Inhibitor VS-5584 in Preclinical Models of Pancreatic Cancer. Oncotarget. 2017 Jul 4;8(27):44295-44311.

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