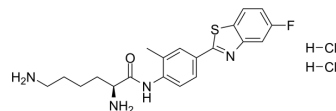


Phortress

Cat. No.:	HY-103223
CAS No.:	328087-38-3
Molecular Formula:	C ₂₀ H ₂₅ Cl ₂ FN ₄ OS
Molecular Weight:	459.41
Target:	Cytochrome P450
Pathway:	Metabolic Enzyme/Protease
Storage:	-20°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 : 125 mg/mL (272.09 mM); ultrasonic and warming and heat to 60°C

Concentration	Mass			
	1 mg	5 mg	10 mg	
1 mM	2.1767 mL	10.8835 mL	21.7670 mL	
5 mM	0.4353 mL	2.1767 mL	4.3534 mL	
10 mM	0.2177 mL	1.0884 mL	2.1767 mL	

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

BIOLOGICAL ACTIVITY

Description

Phortress is a high affinity AhR ligand that elicits antitumor activity by inducing transcription of CYP1A1^{[1][2]}.

IC₅₀ & Target

CYP1

REFERENCES

- [1]. Bradshaw TD, et al. In vitro evaluation of amino acid prodrugs of novel antitumour 2-(4-amino-3-methylphenyl)benzothiazoles. Br J Cancer. 2002 Apr 22;86(8):1348-54.
- [2]. Bradshaw TD, Westwell AD. The development of the antitumour benzothiazole prodrug, Phortress, as a clinical candidate. Curr Med Chem. 2004 Apr;11(8):1009-21.

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