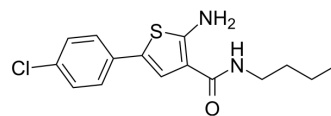


R110

Cat. No.:	HY-115887		
CAS No.:	1985622-33-0		
Molecular Formula:	C ₁₅ H ₁₇ ClN ₂ OS		
Molecular Weight:	308.83		
Target:	Macrophage migration inhibitory factor (MIF)		
Pathway:	Immunology/Inflammation		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 50 mg/mL (161.90 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	3.2380 mL	16.1901 mL	32.3803 mL
5 mM	0.6476 mL	3.2380 mL	6.4761 mL
10 mM	0.3238 mL	1.6190 mL	3.2380 mL

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

BIOLOGICAL ACTIVITY

Description

R110 is a potent, competitive inhibitor of macrophage migration inhibitory factor 2 (MIF2) tautomerase with an IC₅₀ of 15 μM. R110 has the potential for the research of cancer diseases^[1].

IC₅₀ & Target

IC₅₀: 15 μM (MIF2)^[1]

REFERENCES

[1]. Xiao Z, et al. Thieno[2,3-d]pyrimidine-2,4(1H,3H)-dione Derivative Inhibits d-Dopachrome Tautomerase Activity and Suppresses the Proliferation of Non-Small Cell Lung Cancer Cells. *J Med Chem.* 2022 Feb 10;65(3):2059-2077.

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

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