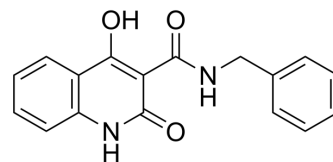


PI3K α -IN-11

Cat. No.:	HY-153915		
CAS No.:	300803-79-6		
Molecular Formula:	C ₁₇ H ₁₄ N ₂ O ₃		
Molecular Weight:	294.3		
Target:	PI3K		
Pathway:	PI3K/Akt/mTOR		
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 : 10 mg/mL (33.98 mM; ultrasonic and warming and heat to 60°C)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
1 mM		3.3979 mL	16.9895 mL	33.9789 mL
5 mM		0.6796 mL	3.3979 mL	6.7958 mL
10 mM		0.3398 mL	1.6989 mL	3.3979 mL

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

BIOLOGICAL ACTIVITY

Description	PI3K α -IN-11 is a potent PI3K α inhibitor with anticancer activity ^[1] .
IC ₅₀ & Target	PI3K α
In Vitro	The IC ₅₀ of HCT116-WT and HCT116-MUT (H1047R) cell lines were 1.1 and 0.73 μ M, respectively. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Sabbah DA, et al. N-Phenyl-4-hydroxy-2-quinolone-3-carboxamides as selective inhibitors of mutant H1047R phosphoinositide-3-kinase (PI3K α). *Bioorg Med Chem*. 2012 Dec 15;20(24):7175-83.

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

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