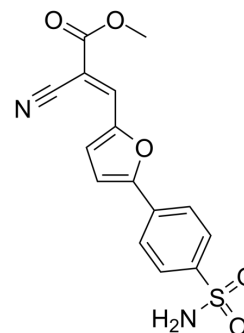


CCI-006

Cat. No.:	HY-114410		
CAS No.:	292053-42-0		
Molecular Formula:	C ₁₅ H ₁₂ N ₂ O ₅ S		
Molecular Weight:	332.33		
Target:	Mitochondrial Metabolism		
Pathway:	Metabolic Enzyme/Protease		
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 : ≥ 83.33 mg/mL (250.74 mM)
 * "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	3.0091 mL	15.0453 mL	30.0906 mL
	5 mM	0.6018 mL	3.0091 mL	6.0181 mL
	10 mM	0.3009 mL	1.5045 mL	3.0091 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: ≥ 8.33 mg/mL (25.07 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

CCI-006 is a selective inhibitor and chemosensitizer of MLL-rearranged leukemia cells, by inhibits mitochondrial respiration resulting in insurmountable mitochondrial depolarization and a pro-apoptotic unfolded protein response (UPR) in a subset of MLL-r leukemia cells^[1].

IC₅₀ & Target

Mitochondria^[1].

REFERENCES

[1]. Somers K, et al. A novel small molecule that kills a subset of MLL-rearranged leukemia cells by inducing mitochondrial dysfunction. *Oncogene*. 2019 Jan 22.

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

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