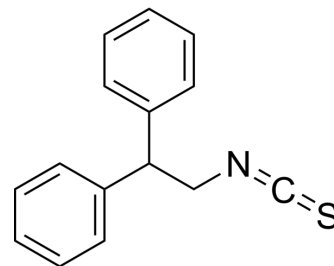


SF5

Cat. No.:	HY-116794
CAS No.:	34634-22-5
Molecular Formula:	C ₁₅ H ₁₃ NS
Molecular Weight:	239.34
Target:	Apoptosis; JNK; MDM-2/p53; Caspase
Pathway:	Apoptosis; MAPK/ERK Pathway
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 125 mg/mL (522.27 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	4.1782 mL	20.8908 mL	41.7816 mL
	5 mM	0.8356 mL	4.1782 mL	8.3563 mL
	10 mM	0.4178 mL	2.0891 mL	4.1782 mL

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

BIOLOGICAL ACTIVITY

Description

SF5 (2,2-Diphenylethyl isothiocyanate) is a sulforaphane analog. SF5 inhibits apoptosis by the JNK-p53-caspase pathway. SF5 can be used as a new renal protective agent for drug-resistant acute renal disease^[1].

REFERENCES

[1]. Kim T, et al. The synthesis of sulforaphane analogues and their protection effect against cisplatin induced cytotoxicity in kidney cells. Bioorg Med Chem Lett. 2015 Jan 1;25(1):62-6.

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

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