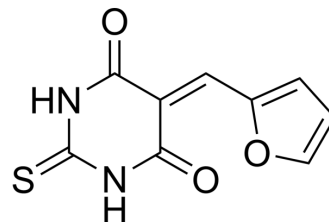


CD00509

Cat. No.:	HY-W177546
CAS No.:	27430-18-8
Molecular Formula:	C ₉ H ₆ N ₂ O ₃ S
Molecular Weight:	222.22
Target:	Phosphodiesterase (PDE)
Pathway:	Metabolic Enzyme/Protease
Storage:	4°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 12.5 mg/mL (56.25 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	4.5000 mL	22.5002 mL	45.0005 mL
5 mM	0.9000 mL	4.5000 mL	9.0001 mL
10 mM	0.4500 mL	2.2500 mL	4.5000 mL

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

BIOLOGICAL ACTIVITY

Description

CD00509 is a Tdp1 inhibitor, with an IC₅₀ value of 0.71 μM. CD00509 can sensitize breast cancer cells to Camptothecin (HY-16560). CD00509 has anti-tumor activity^[1].

REFERENCES

[1]. Laev SS, et al. Tyrosyl-DNA phosphodiesterase inhibitors: Progress and potential. *Bioorg Med Chem.* 2016 Nov 1;24(21):5017-5027.

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

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