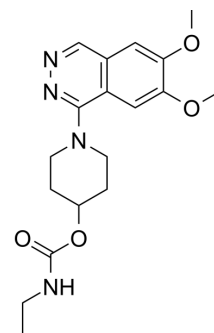


Carbazeran

Cat. No.:	HY-B0051		
CAS No.:	70724-25-3		
Molecular Formula:	C ₁₈ H ₂₄ N ₄ O ₄		
Molecular Weight:	360.41		
Target:	Phosphodiesterase (PDE)		
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 : ≥ 125 mg/mL (346.83 mM)
 * "≥" means soluble, but saturation unknown.

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.7746 mL	13.8731 mL	27.7462 mL
	5 mM	0.5549 mL	2.7746 mL	5.5492 mL
	10 mM	0.2775 mL	1.3873 mL	2.7746 mL

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

BIOLOGICAL ACTIVITY

Description

Carbazeran, a potent phosphodiesterase inhibitor, is aldehyde oxidase substrate. Carbazeran can be used for the research of metabolic disease^[1].

REFERENCES

[1]. Uehara S, et al. Human Aldehyde Oxidase 1-Mediated Carbazeran Oxidation in Chimeric TK-NOG Mice Transplanted with Human Hepatocytes. *Drug Metab Dispos.* 2020 Jul;48(7):580-586.

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

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