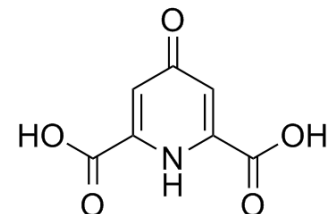


Chelidamic acid

Cat. No.:	HY-W016349		
CAS No.:	138-60-3		
Molecular Formula:	C ₇ H ₅ NO ₅		
Molecular Weight:	183.12		
Target:	Others		
Pathway:	Others		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



BIOLOGICAL ACTIVITY

Description	Chelidamic acid is a heterocyclic organic acid with a pyran skeleton. Chelidamic acid has good coordination ability with noble metal ions. Chelidamic acid is also one of the most potent inhibitors of glutamate decarboxylase, with a K _i of 33 μM.
IC₅₀ & Target	Ki: 33 μM (Glutamate decarboxylase) ^[3] .
In Vitro	Chelidamic acid is a heterocyclic organic acid with a pyran skeleton ^[1] . Chelidamic acid has good coordination ability with noble metal ions ^[2] . Chelidamic acid is also one of the most potent inhibitors of glutamate decarboxylase, with a K _i of 33 μM ^[3] .

REFERENCES

- [1]. Searcey M, et al. Synthesis, DNA-cleaving properties and cytotoxicity of intercalating chelidamic acid derivatives. *Anticancer Drug Des.* 13(8):837-55.
- [2]. Espinet P, et al. Mesogenic palladium complexes with pincer ligands derived from dipicolinic acid. *Inorg Chem.* 2000 Aug, 7;39(16):3645-51.
- [3]. Porter TG, et al. Chelidonic acid and other conformationally restricted substrate analogues as inhibitors of rat brain glutamate decarboxylase. *Biochem Pharmacol.* 1985 Dec 1;34(23):4145-50.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA