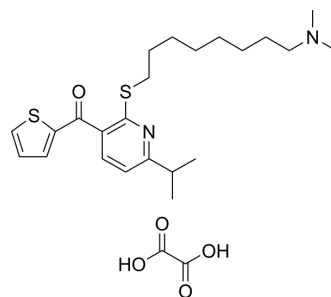


Y-29794 oxalate

Cat. No.:	HY-107758
CAS No.:	146794-84-5
Molecular Formula:	C ₂₅ H ₃₆ N ₂ O ₅ S ₂
Molecular Weight:	508.69
Target:	Prolyl Endopeptidase (PREP)
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Y-29794 oxalate is a selective, orally active and blood-brain barrier permeable non-peptide prolyl endopeptidase inhibitor. Y-29794 oxalate blocks the IRS1-AKT-mTORC1 pathway and inhibits tumor growth. Y-29794 oxalate is also effective in inhibiting the progression of A β -like deposition in the hippocampus of aging-accelerated mice (SAM)^{[1][2][3]}.

REFERENCES

- [1]. Perez RE, et al. Prolyl endopeptidase inhibitor Y-29794 blocks the IRS1-AKT-mTORC1 pathway and inhibits survival and in vivo tumor growth of triple-negative breast cancer. *Cancer Biol Ther.* 2020 Nov 1;21(11):1033-1040.
- [2]. Kato A, et al. Prevention of amyloid-like deposition by a selective prolyl endopeptidase inhibitor, Y-29794, in senescence-accelerated mouse. *J Pharmacol Exp Ther.* 1997 Oct;283(1):328-35.
- [3]. Nakajima T, et al. Y-29794--a non-peptide prolyl endopeptidase inhibitor that can penetrate into the brain. *Neurosci Lett.* 1992 Jul 20;141(2):156-60.

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