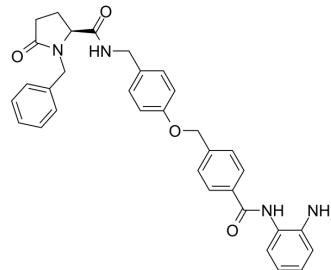


GK444

Cat. No.:	HY-155328
CAS No.:	3032392-39-2
Molecular Formula:	C ₃₃ H ₃₂ N ₄ O ₄
Molecular Weight:	548.63
Target:	HDAC
Pathway:	Cell Cycle/DNA Damage; Epigenetics
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	GK444 (Compound 15a) is a HDAC1/2 inhibitor (IC ₅₀ : 100 and 92 nM for HDAC1/2 respectively). GK444 inhibits Caco-2 cells with IC ₅₀ of 4.1 μM. GK444 also reduces TGF-β1 induced COL1A1 mRNA levels in primary normal human lung fibroblasts. GK444 inhibits Bleomycin (HY-108345)-induced lung fibrosis in mice ^[1] .
IC ₅₀ & Target	100 and 92 nM for HDAC1/2 ^[1] .

REFERENCES

[1]. Gerokonstantis DT, et al. N-(2-Aminophenyl)-benzamide Inhibitors of Class I HDAC Enzymes with Antiproliferative and Antifibrotic Activity. J Med Chem. 2023 Oct 26;66(20):14357-14376.

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