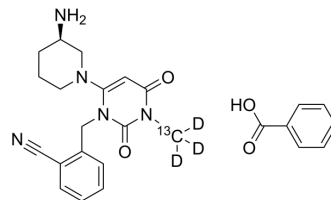


Alogliptin-¹³C,₃D₃ benzoate

Cat. No.:	HY-A0023AS2
Molecular Formula:	C ₂₄ ¹³ CH ₂₄ D ₃ N ₅ O ₄
Molecular Weight:	465.52
Target:	Isotope-Labeled Compounds; Dipeptidyl Peptidase
Pathway:	Others; Metabolic Enzyme/Protease
Storage:	-20°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



BIOLOGICAL ACTIVITY

Description	Sulfo DBCO-PEG4-Maleimide TEA is a PEG-based PROTAC linker that can be used in the synthesis of PROTACs ^[1] .
In Vitro	PROTACs contain two different ligands connected by a linker; one is a ligand for an E3 ubiquitin ligase and the other is for the target protein. PROTACs exploit the intracellular ubiquitin-proteasome system to selectively degrade target proteins ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

- [1]. Russak EM, et al. Impact of Deuterium Substitution on the Pharmacokinetics of Pharmaceuticals. *Ann Pharmacother.* 2019;53(2):211-216.
- [2]. Feng J, et al. Discovery of alogliptin: a potent, selective, bioavailable, and efficacious inhibitor of dipeptidyl peptidase IV. *J Med Chem.* 2007 May 17;50(10):2297-300.
- [3]. Ta NN, et al. DPP-4 (CD26) inhibitor alogliptin inhibits TLR4-mediated ERK activation and ERK-dependent MMP-1 expression by U937 histiocytes. *Atherosclerosis.* 2010 Dec;213(2):429-35.
- [4]. Hao FL, et al. The neurovascular protective effect of alogliptin in murine MCAO model and brain endothelial cells. *Biomed Pharmacother.* 2019 Jan;109:181-187.
- [5]. Asakawa T, et al. A novel dipeptidyl peptidase-4 inhibitor, alogliptin (SYR-322), is effective in diabetic rats with sulfonyleurea-induced secondary failure. *Life Sci.* 2009 Jul 17;85(3-4):122-6.
- [6]. Moritoh Y, et al. The dipeptidyl peptidase-4 inhibitor alogliptin in combination with pioglitazone improves glycemic control, lipid profiles, and increases pancreatic insulin content in ob/ob mice. *Eur J Pharmacol.* 2009 Jan 14;602(2-3):448-54.

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