SZABO SCANDIC

Part of Europa Biosite

Produktinformation

- Forschungsprodukte & Biochemikalien
- Zellkultur & Verbrauchsmaterial
- Diagnostik & molekulare Diagnostik
- Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!

Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

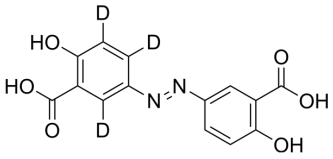
mail@szabo-scandic.com

www.szabo-scandic.com

linkedin.com/company/szaboscandic

Olsalazine-d_3

Cat. No.:	HY-B0174AS1
Molecular Formula:	$C_{14}H_7D_3N_2O_6$
Molecular Weight:	305.26
Target:	Antibiotic; Leukotriene Receptor; Isotope-Labeled Compounds
Pathway:	Anti-infection; GPCR/G Protein; Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Olsalazine-d_3 is deuterated labeled Olsalazine (HY-B0174A). Olsalazine is a potent inhibitor of macrophages chemotaxis to LTB4 with an IC_{50} value of 0.39 mM, also reduces the synthesis of 5-hydroxyeicosatetraenoic acid (5-HETE), 11-HETE, 12-HETE, and 15-HETE in polymorphonuclear leukocyte (PMNL) and mononuclear cells (MNL). Olsalazine can be used for researching ulcerative colitis. Anti-inflammatory activity[1][2].
In Vitro	Stable heavy isotopes of hydrogen, carbon, and other elements have been incorporated into drug molecules, largely as tracers for quantitation during the drug development process. Deuteration has gained attention because of its potential to affect the pharmacokinetic and metabolic profiles of drugs[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Nielsen, O.H., H.W. Verspaget, and J. Elmgreen, Inhibition of intestinal macrophage chemotaxis to leukotriene B4 by sulphasalazine, olsalazine, and 5-aminosalicylic acid. Aliment Pharmacol Ther, 1988. 2(3): p. 203-11.

[2]. Horn H, et al. Modulation of arachidonic acid metabolism by olsalazine and other aminosalicylates in leukocytes. Scand J Gastroenterol. 1991 Aug;26(8):867-79.

[3]. Russak EM, et al. Impact of Deuterium Substitution on the Pharmacokinetics of Pharmaceuticals. Ann Pharmacother. 2019 Feb;53(2):211-216.

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