

MPO-IN-1 biochemical

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CATALOG #
AAA228465

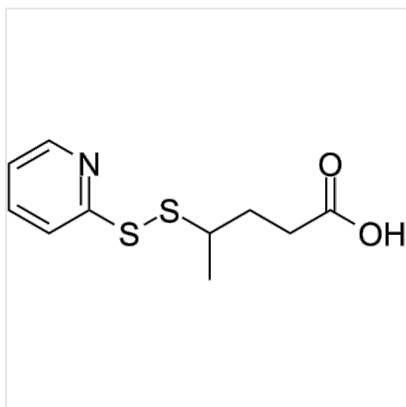
PRODUCT SYNONYMS

MPO-IN-1; MPO-IN-1 biochemical

PRODUCT SPECIFICATIONS

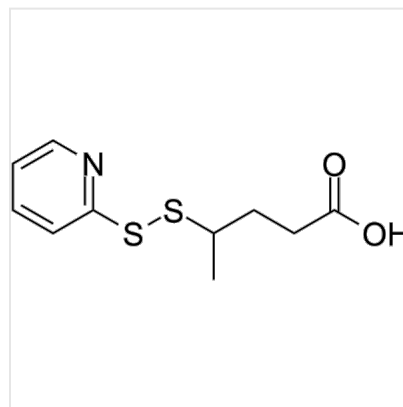
Purity/Purification	98%
CAS	2471981-21-0
Targets&IC50	in plasma MPO assay:2.6 uM, in fluorescent MPO peroxidation assay:0.12 uM
Solubility	<1mg/ml refers to the product slightly soluble or insoluble
In vitro	MPO-IN-1 (compound 2)(5 and 90 mg/kg; p.o.; four hours post-Zymosan A administration) significantly reduces MPO activity in a mouse peritonitis model of acute inflammation[1]. Mouse pharmacokinetic parameter of MPO-IN-1[1]. Dose V ss (L/kg) T 1/2 (h) AUC inf (nM/h) p.o. C max (nM) p.o. PPB (%) 1/10 mg/kg i.v./p.o. 9.8 2.6 2486 502 99.6. Animal Model: Male C57BL/6J mice (mouse peritonitis model of acute inflammation)[1]. Dosage: 5 and 90 mg/kg. Administration: p.o. (four hours post-Zymosan A administration). Result: Resulted in a ~50% reduction in the MPO activity at 90 mg/kg.
Preparation and Storage	Powder: -20 degree C for 3 years In solvent: -80 degree C for 2 years

IMAGES



Structure

PPA, CAS 452072-22-9



Structure

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ADDITIONAL INFORMATION

Related Product Information for MPO-IN-1 biochemical	MPO-IN-1 is a potent, orally active, and irreversible indole-containing inhibitor of myeloperoxidase (MPO). MPO-IN-1 has IC 50 s of 2.6 uM and 5.3 uM for MPO and thyroid peroxidase (TPO), respectively. MPO-IN-1 inhibits MPO activity in an acute mouse model of inflammation.
References	1. Lecerf JM, et, al. Measurement methods. US20060073528A1.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/biochemical/mpo-in-1/228465>