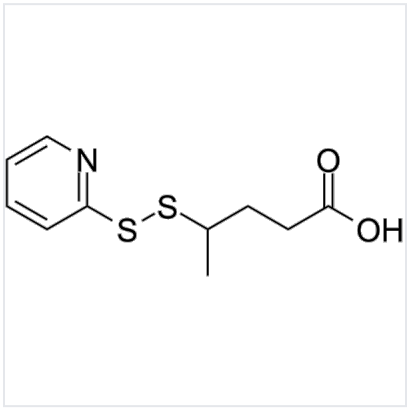
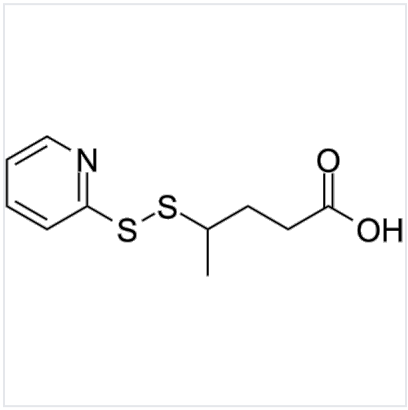
MPO-IN-1

PRODUCT OVERVIEW

Product Name	MPO-IN-1, Biochemical
Full Product Name	MPO-IN-1
Product Gene Name	MPO-IN-1 biochemical
Purity/Purification	98%
Preparation and Storage	Powder: -20 degree C for 3 years In solvent: -80 degree C for 2 years
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.
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.
Product References and Citations for MPO-IN-1 biochemical	1. Lecerf JM, et, al. Measurement methods. US20060073528A1.
Other Notes	Small volumes of MPO-IN-1 biochemical vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for MPO-IN-1 purchase	MBS5800433 is a biochemical targeting MPO-IN-1.



Structure of MPO-IN-1 biochemical
PPA, CAS 452072-22-9



Structure of MPO-IN-1 biochemical
PPA, CAS 452072-22-9

For Research Use Only. Not for use in diagnostic or therapeutic procedures.