7-Cl-O-Nec1

Rip1 blocker

Necrostatin-1 analogue with superior potency, selectivity and metabolic stability in blocking RIP1. 7-Cl-O-Nec-1 shows no off-target inhibition of indolamine-2,3-deoxygenase (IDO) in contrast to Necrostatin-1 (Nec-1). 7-Cl-O-Nec-1 showed higher activity in inhibiting necroptosis in Jurkat cells than Necrostatin-1, no non-specific cytotoxicity at high concentrations (100 μM) and reasonable pharmacokinetic characteristics when used in mice. 7-Cl-O-Nec-1 is recommended for cellular and *in vivo* use over Necrostatin-1.

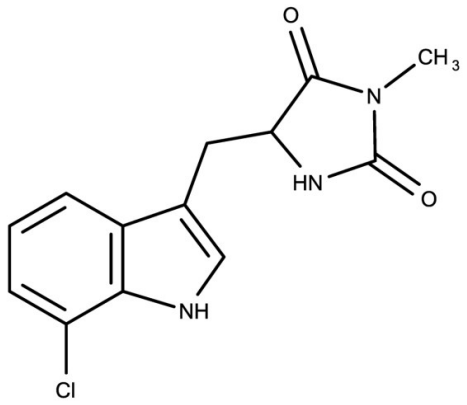
Ordering Information

Order Online »

ENZ-CHM496-0025	25mg

Manuals, SDS & CofA

View Online »


O
CH3
N
HN
O
NH
Cl

Handling & Storage

Use/Stability	As indicated on product label or CoA when stored as recommended.
Long Term Storage	-20°C
Shipping	Ambient Temperature

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	5-((7-Chloro-1H-indol-3-yl)methyl)-3-methylimidazolidine-2,4-dione
Appearance	Yellow solid.
CAS	852391-15-2
Couple Target	RIP
Couple Type	Blocker
Formula	$C_{13}H_{12}ClN_3O_2$
Identity	Determined by NMR.
MW	277.71
Purity	≥98% (TLC)
Solubility	Soluble in DMSO (25 mg/ml).

Last modified: February 27, 2025

ENZO LIFE SCIENCES, INC.
Phone: 800.942.0430
info-usa@enzolifesciences.com

European Sales Office
ENZO LIFE SCIENCES (ELS) AG
Phone: +41 61 926 8989
info-eu@enzolifesciences.com

Belgium, The Netherlands & Luxembourg
Phone: +32 3 466 0420
info-be@enzolifesciences.com

France
Phone: +33 472 440 655
info-fr@enzolifesciences.com

Germany
Phone: +49 7621 5500 526
info-de@enzolifesciences.com

UK & Ireland
Phone (UK customers): 0845 601 1488
Phone: +44 1392 825900
info-uk@enzolifesciences.com

For local distributors and detailed product information visit us online: enzo.com All product names, logos, and brands are the property of their respective owners.