

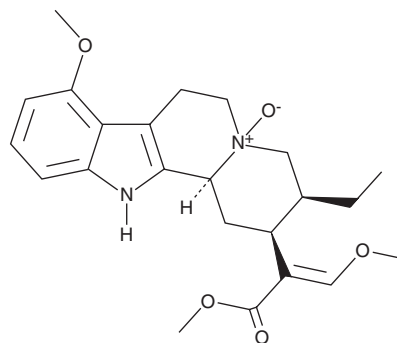
PRODUCT INFORMATION



Mitragynine N-oxide

Item No. 45741

CAS Registry No.: 3031352-83-4
Formal Name: (αE,2S,3S,12bS)-3-ethyl-1,2,3,4,6,7,12,12b-octahydro-8-methoxy-α-(methoxymethylene)-5-oxide 5 Indolo[2,3-a]quinolizine-2-acetic acid, methyl ester
Synonym: MNO
MF: C₂₃H₃₀N₂O₅
FW: 414.5
Purity: ≥95%
Supplied as: A solid
Storage: -20°C
Stability: ≥4 years



Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Description

Mitragynine N-oxide (Item No. 45741) is an analytical reference standard categorized as an opioid.¹ Mitragynine N-oxide has been found in commercial *M. speciosa* (Kratom in Thai) products.² This product is intended for research and forensic applications.

References

1. Harris, N.R., Powell, A.J., Snodgrass, H.M., *et al.* Investigating opioid receptor activity through biocatalytic halogenation and oxidation of mitragynine. *ACS Chem. Biol.* **21**(4), 733-743 (2026).
2. Flores-Bocanegra, L., Raja, H.A., Graf, T.N., *et al.* The chemistry of kratom [*Mitragyna speciosa*]: Updated characterization data and methods to elucidate indole and oxindole alkaloids. *J. Nat. Prod.* **83**(7), 2165-2177 (2020).

WARNING

THIS PRODUCT IS FOR RESEARCH ONLY - NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

SAFETY DATA

This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. Before use, the user must review the complete Safety Data Sheet, which has been sent via email to your institution.

WARRANTY AND LIMITATION OF REMEDY

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CAYMAN CHEMICAL

1180 EAST ELLSWORTH RD
ANN ARBOR, MI 48108 · USA

PHONE: [800] 364-9897
[734] 971-3335

FAX: [734] 971-3640

CUSTSERV@CAYMANCHEM.COM
WWW.CAYMANCHEM.COM