Mitragynine
Item No. 11151

CAS Registry No.: 4098-40-2
Formal Name: (αE,2S,3S,12bS)-3-ethyl-1,2,3,4,6,7,12b-octahydro-8-methoxy-α-(methoxymethylene)-indolo[2,3-a]quinolinizine-2-acetic acid, methyl ester
Synonym: 9-methoxy Corynantheidine
MF: C23H30N2O4
FW: 398.5
Purity: ≥95%
Supplied as: A neat solid
Storage: -20°C
Stability: ≥1 year

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

Description

Mitragynine is an indole alkaloid from the plant M. speciosa. It has stimulatory, antinociceptive, and opiate-like effects, acting through noradrenergic, serotonergic, and opioid receptors.1,2 Mitragynine has a higher affinity for the μ-opioid receptor than the δ- or κ-opioid receptors (pKᵢ = 8.14, 7.22, and 5.96, respectively). Mitragynine and its derivatives have been identified in products sold as incense.3 The identification and quantification of mitragynine and related alkaloids, as well as their phase I and II metabolites, have been described.4-6 This product is intended for forensic applications.

This is a qualified Reference Material (RM) that has been manufactured and tested to meet ISO17025 and Guide 34 guidelines. These materials are tested using validated analytical methods on qualified instrumentation to ensure traceability of measurements. All traceable RMs may be distinguished by their CoAs and can be downloaded below using the batch number located on the product label. For a representative CoA please contact our technical support.

References