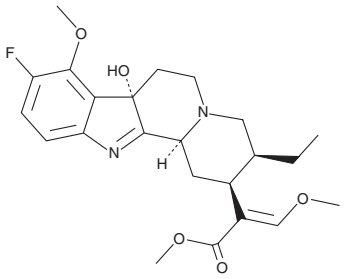
PRODUCT INFORMATION

10-fluoro-7-hydroxy Mitragynine

Item No. 46271

CAS Registry No.:	918431-27-3
Formal Name:	3-ethyl-9-fluoro-1,2S,3S,4,6,7,7aS,12bS-octahydro-7a-hydroxy-8-methoxy-αE-(methoxymethylene)-indolo[2,3-a] quinolizine-2-acetic acid, methyl ester
MF:	$C_{23}H_{29}FN_2O_5$
FW:	432.5
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

10-fluoro-7-hydroxy Mitragynine (Item No. 46271) is an analytical reference standard categorized as an opioid.[1] 10-fluoro-7-hydroxy Mitragynine has been used as a precursor in the synthesis of 10-fluoro dihydro-7-hydroxy mitragynine (Item No. 43911).[2] This product is intended for research and forensic applications.

References

1. Takayama, H., Misawa, K., Okada, N., *et al.* New procedure to mask the 2,3-π bond of the indole nucleus and its application to the preparation of potent opioid receptor agonists with a Corynanthe skeleton. *Org. Lett.* **8(25)**, 5705-5708 (2006).
2. Matsumoto, K., Narita, M., Muramatsu, N., *et al.* Orally active opioid μ/δ dual agonist MGM-16, a derivative of the indole alkaloid mitragynine, exhibits potent antiallodynic effect on neuropathic pain in mice. *J. Pharmacol. Exp. Ther.* **348(3)**, 383-392 (2014).

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
Buyer agrees to purchase the material subject to Cayman's Terms and Conditions. Complete Terms and Conditions including Warranty and Limitation of Liability information can be found on our website.

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