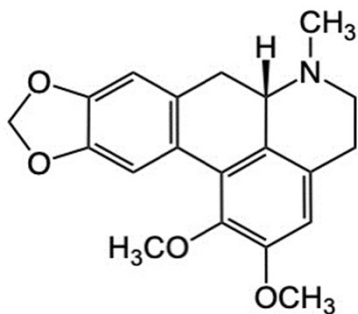


## Certificate of Analysis

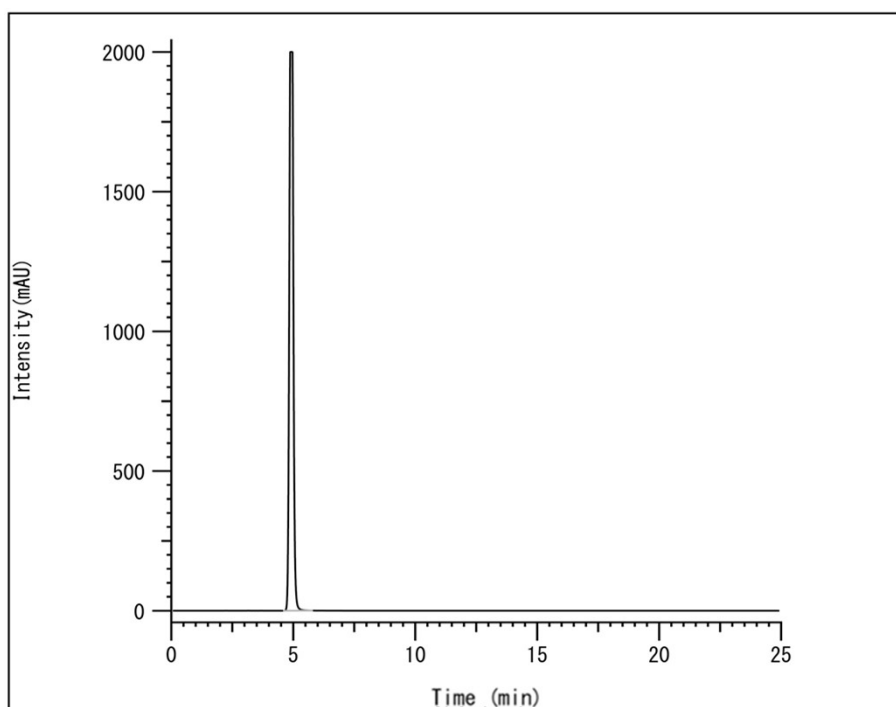
Product No.	39	Product Name	<b>O-Methyl domesticine</b>
Lot. No.	<b>392508</b>	Unit Quantity	20mg
Analysis Date	2025-08-07	Storage Conditions	Room temperature

C<sub>20</sub>H<sub>21</sub>NO<sub>4</sub>

MW : 339.4

CAS RN: 2565-01-7

This product is a crude drug ingredient included in the Japanese standards for non-Pharmacopoeial crude drugs 2022 "Nandina Fruit".



Retention time	Peak area	%
4.973	23758459	100.00
Total	23758459	100.00

Area percentage : Not less than 99.0%

Detector : An ultraviolet absorption photometer (308nm)

Column : Wakosil- II 5C18 HG (4.6 × 150mm)

Column temperature : A constant temperature of about 45°C.

Purity (HPLC)	Mobile phase : 0.05 mol/L dipotassium hydrogen phosphate solution/acetonitrile mixture (1:1) adjusted to pH 6.5 with phosphoric acid. Flow rate : 1.0mL/min.(Adjust so that the retention time of O-Methyldomesticine is about 5 minutes.) Time span of measurement : About 5 times as long as the retention time of O-Methyldomesticine.	Passed (100%)
Description (White or pale yellow crystalline powder)		Passed
Purity (TLC)	Dissolve 1 mg of O-Methyldomesticine in 1 mL of methanol, and spot 10 $\mu$ L of the solution onto Silicagel 60 F254 (Merck). Develop the plate with a mixture of chloroform, methanol and acetic acid (100) (8:1:1) to a distance of about 7 cm, and air-dry the plate. Spray evenly Dragendorff's TS on the plate and air-dry the plate.: any spot other than the principal spot at the R <sub>f</sub> value of near 0.3 does not appear.	Passed
Precautions Order quantities that can be used immediately, and after receipt of a reference standard, store it at the specified temperature and use it as soon as possible.		
Expiration Date	August 2029 (unopened)	

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