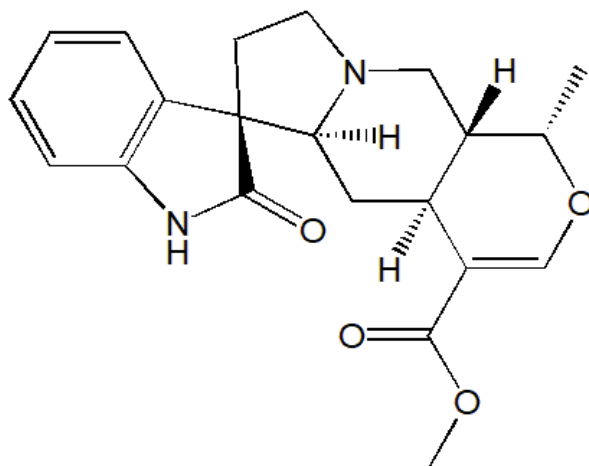


Certificate of Analysis



PRODUCT	<i>Mitrephylline</i>
BATCH #	PA-004-115-A
ASSAY METHOD	HPLC, ¹ H-NMR
REPORT DATE	2019-12-11
CHEMICAL NAME	Methyl (1S,4aS,5aS,6R,10aR)-1-methyl-2'-oxospiro[1,4a,5,5a,7,8,10,10a-octahydropyrano[3,4-f]indolizine-6,3'-1H-indole]-4-carboxylate
CHEMICAL FORMULA	C ₂₁ H ₂₄ N ₂ O ₄
MOLECULAR WEIGHT	368.4 g/mol
CAS REG. #	509-80-8
STORAGE	< -20 degrees C; in the dark
EXPIRATION DATE	2021-12-12
NOTES	

Analytical Data

TEST	METHOD	SPECIFICATION	RESULT
HPLC	240 nm	> 95%	95.9%
¹ H-NMR		Conforms	Conforms
Appearance	White, crystalline solid		
Mass (mg)	1,035		

Signed: Jan Glinski, Ph.D.
 Planta Analytica LLC
 December 11, 2019

