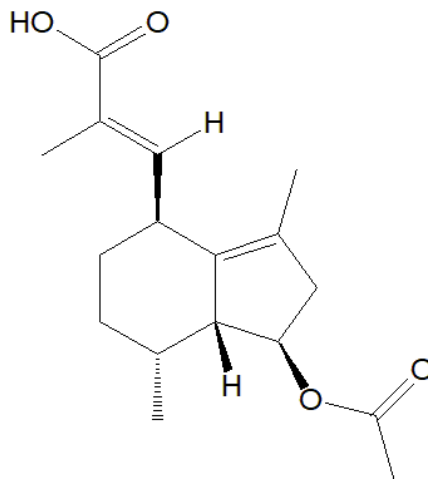


Certificate of Analysis



PRODUCT	Acetoxyvalerenic Acid
BATCH #	PA-038-077-290
ASSAY METHOD	HPLC, ¹ H-NMR
REPORT DATE	2020-04-27
CHEMICAL NAME	(2E)-3-[(1R,4S,7R,7aR)-1-Acetoxy-3,7-dimethyl-2,4,5,6,7,7a-hexahydro-1H-inden-4-yl]-2-methylacrylic acid
OTHER NAMES	Acetylvalerenolic acid
CHEMICAL FORMULA	C ₁₇ H ₂₄ O ₄
MOLECULAR WEIGHT	292.37 g/mol
CAS REG. #	84638-55-1
STORAGE	<-20 degrees C; dark
EXPIRATION DATE	2022-04-28
NOTES	Contains 2.2% sodium for solidification

Analytical Data

TEST	METHOD	SPECIFICATION	RESULT
HPLC	210 nm	> 95%	99.3%
¹ H-NMR		Conforms	Conforms
Appearance		White solid	
Mass (mg)		5502.0	

Signed: Jan Glinski, Ph.D.
 Planta Analytica LLC
 April 27, 2020

