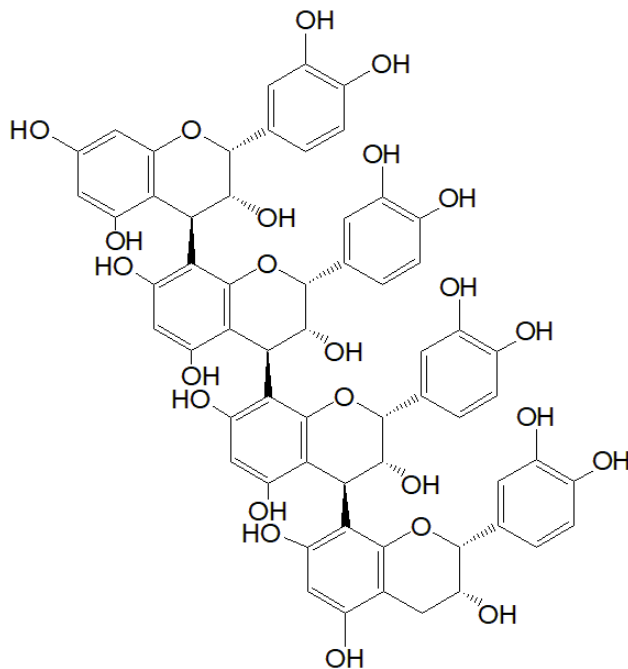


Certificate of Analysis



PRODUCT	<i>Procyanidin Tetramer D</i>
BATCH #	PA-029-142-A
ASSAY METHOD	HPLC
REPORT DATE	2019-12-11
CHEMICAL NAME	Cinnamtannin A2
OTHER NAMES	Procyanidin D1
CHEMICAL FORMULA	C ₆₀ H ₅₀ O ₂₄
MOLECULAR WEIGHT	1155.036
CAS REG. #	86631-38-1
STORAGE	<-20 degrees C; dark
EXPIRATION DATE	2020-12-11
NOTES	Add additional notes.

Analytical Data

TEST	METHOD	SPECIFICATION	RESULT
HPLC	270 nm	NA	88.9%
1H-NMR		Conforms	Conforms
Appearance	Reddish-pink powder		

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

