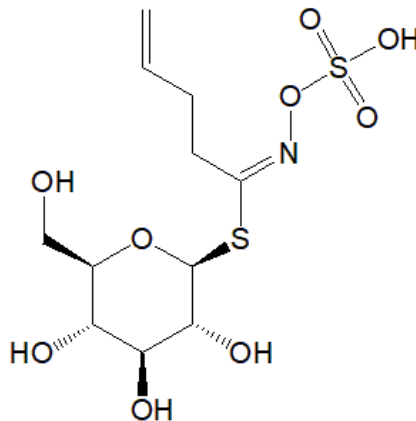


Certificate of Analysis



PRODUCT	<i>Gluconapin</i>
BATCH #	040-174-102
ASSAY METHOD	HPLC, ¹ HNMR
REPORT DATE	2021-02-18
CHEMICAL NAME	[(2S,3R,4S,5S,6R)-3,4,5-trihydroxy-6-(hydroxymethyl)oxan-2-yl] (1E)-N-sulfooxypent-4-enimidothioate
SMILES STRUCTURE	C=CCCC(=NOS(=O)(=O)O)SC1C(C(C(C(O1)CO)O)O)O
OTHER NAMES	3-Butenylglucosinolate potassium salt
CHEMICAL FORMULA	C ₁₁ H ₁₈ NO ₉ S ₂ K
MOLECULAR WEIGHT	411.49 g/mol
CAS REG. #	245550-57-6
STORAGE	<-20 degrees C; dark
EXPIRATION DATE	2022-02-18
NOTES	

Analytical Data

TEST	METHOD	SPECIFICATION	RESULT
HPLC	217 nm	>98.0%	99.74%
¹ H-NMR		Conforms	Conforms
Residual Solvents		Enter percent.	
Appearance		White powder	
Adjusted Purity		99.74%	

Signed: Jan Glinski, Ph.D.
 Planta Analytica, LLC
 2/18/2021

