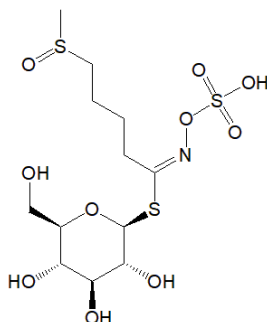


Certificate of Analysis



PRODUCT	<i>Glucoraphanin</i>
BATCH #	PA-040-126-401
ASSAY METHOD	HPLC, ¹ HNMR
REPORT DATE	2020-05-13
CHEMICAL NAME	4-methylsulfinylbutyl glucosinolate
SMILES STRUCTURE	<chem>CS(=O)CCCC(=NOS(=O)(=O)O)SC1C(C(C(C(O1)CO)O)O)O</chem>
OTHER NAMES	Sulforaphane glucosinolate
CHEMICAL FORMULA	C ₁₂ H ₂₃ NO ₁₀ S ₃
MOLECULAR WEIGHT	437.5 g/mol
CAS REG. #	21414-41-5
STORAGE	<-20 degrees C; dark
EXPIRATION DATE	n/a
NOTES	Standardized Purity was determined using PhytoLab Glucoraphanin reference standard batch no. 14017

Analytical Data

TEST	METHOD	SPECIFICATION	RESULT
HPLC	235 nm	>95%	96.53%
Appearance		White powder	
Standardized Purity		99.95%	
Mass (g)		3.046 g	

Signed: Jan Glinski, Ph.D.
 Planta Analytica, LLC
 5/13/2020

