

## Product Datasheet

### GK2256 - Glycyrrhizic acid ammonium salt

Precautionary Codes

P305+P351+P338,  
P337+P313

Pictograms

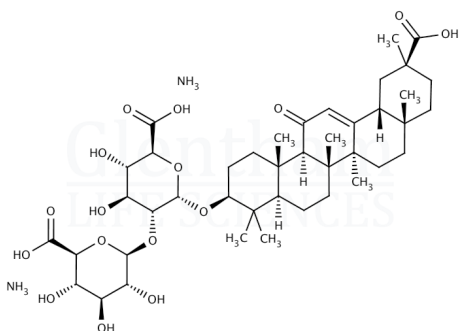


#### Product Details

Product Name	Glycyrrhizic acid ammonium salt
Glenthams Code	GK2256
CAS Number	53956-04-0
EINECS	258-887-7
MDL Number	MFCD00167400
PubChem SID	310274306
Related Categories	Carbohydrates, Phytochemicals, Oligosaccharides

#### Structure

Molecular Weight : 839.96 (anhydrous)  
Molecular Formula :  $C_{42}H_{62}O_{16} \cdot NH_3 \cdot xH_2O$



#### Storage

Recommended storage temperature: +4°C.

#### Hazards and Transport

Not classified as dangerous for transport.  
CLP Classification : Eye Irr. 2A  
Signal Word : Warning  
Hazard Codes : H319

#### Glenthams Product Specification

Physical Description	: White or yellowish-white, hygroscopic powder
Identification	: According to EP
Appearance of Solution	: According to EP
Specific Optical Rotation	: +49.0 - +54.0 °
Related Substances	: 18 α-glycyrrhizic acid: ≤ 10.0%
	: Impurity A: ≤ 5.0%
	: Any Other Impurity: ≤ 2.0%
	: Sum of Other Impurities: ≤ 7.0%
Heavy Metals	: ≤ 20ppm
Water	: ≤ 6.0%
Sulphated Ash	: ≤ 0.2%
Assay	: 98.0 - 102.0 % (anhydrous basis)
Pharmacopoeia Specification(s)	: EP
Version	: v1.1

#### About Glycyrrhizic acid ammonium salt

Glycyrrhizic acid is a type of triterpenoid saponin derived from *Glycyrrhiza glabra* (licorice) root. Approximately 40 times more sweet-tasting than sucrose, it also possesses antiviral properties. Other effects on cells are antioxidant, anti-inflammatory and antimicrobial in action.

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