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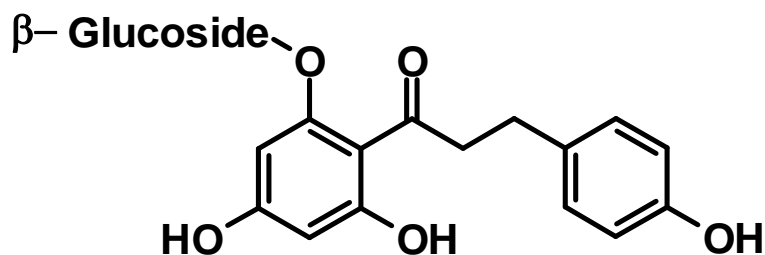
Product Specifications

Phlorizin

CAS 60-81-1

Syn: Phloridzin; 1-[2-(beta-D-Glucopyranosyloxy)-4,6-dihydroxyphenyl]-3-(4-hydroxyphenyl)-1-propanone; Phlorhidzin; Phlorrhizen; Phloretin-2'-beta-glucoside; 4,6-Dihydroxy-2-(beta-D-glucosido)-beta-(p-hydroxyphenyl)propiophenone.

Structure:



Mol. Formula
Source

$C_{21}H_{24}O_{10}$
Pyrus malus L. (root)

Mol. Wt.

472.2

<i>Test</i>	<i>Specification</i>
Appearance	Pale- yellow powder
Particle Size (AOAC 973.03)	100% through 80 mesh
Mp	110-111°C [Lit]
Phlorizin (HPLC - dry base)	≥ 80%; 90%; 95%; 98 %
LOD (USP 32)	≤ 8 %
Sulphate residue (USP 32)	< 1 %
Heavy metals	
Pb (USP 32)	≤10 ppm
As (USP 32)	≤ 2 ppm

- cont'd -

- cont'd -

<i>Test</i>	<i>Specification</i>	<i>Results</i>
Residual Solvents		
Ethanol	< 1000 ppm	
Pesticides Residue	< 100 ppb	
Microbiological Specification		
Total Aerobic (CFU/g) (USP32)	< 100	
<i>E. Coli</i> (USP32)	Negative	
<i>Salmonella</i> (USP32)	Negative	
Mold and Yeast (CFU/g) (USP32)	< 100	

Storage: Maintain in cool, dry cool containment.