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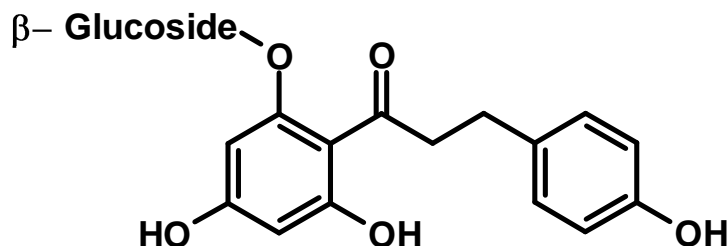
Product Specifications

Phloridzin

CAS 60-81-1

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

Structure:



Mol. Formula
Source

$C_{21}H_{24}O_{10} \cdot 2 H_2O$
Pyrus malus L. (root)

Mol. Wt.

472.2

<i>Test</i>	<i>Specification</i>
Appearance	White to off-white. powder
Particle Size	98% through 80 mesh
Mp	110-111 [Lit]
Phlorizin (HPLC - dry base)	≥ 90 %; 95%; 98%
Sp. Rot., [α]_D	- 52 deg (c = 0.16 g in 5 ml of 96% EtOH)
LOD	≤ 8 %
Ash (residue on ignition)	< 1 %
Heavy metals	
Pb	≤10 ppm
As	≤ 2 ppm

- cont'd -

- cont'd -

<i>Test</i>	<i>Specification</i>
Residual Solvents	
Ethanol	< 1000 ppm
Pesticides Residue	
	< 100 ppb
Microbiological Specification	
Total Aerobic (CFU/g) (USP25)	< 1000
<i>E. Coli</i> (USP25)	Negative
<i>Salmonella</i> (USP25)	Negative
Mold and Yeast (CFU/g) (USP25)	< 100

Storage: Maintain in cool, dry cool containment.