

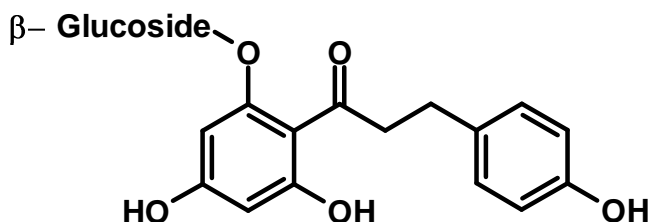
Product Specifications

Product Name: Phloridzin

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

CAS No.: 60-81-1

Structure:



Mol. Formula:

$C_{21}H_{24}O_{10} \cdot 2 H_2O$

Mol. Wt.:

472.2

Source:

Botanical Name: *Pyrus malus L.* (root)

<i>Test</i>	<i>Specifications</i>
Appearance	White to off-white. powder
Particle Size	98% through 80 mesh
Mp	110-111 [Lit]
Phloridzin (HPLC - dry base)	$\geq 90\%$; 95%; 98%
Residue on Ignition (USP25)	$< 1\%$
Sp. Rot., $[\alpha]_D^{25}$	- 52 deg (c = 0.16 g in 5 ml of 96% EtOH)
Loss on Dry (USP25)	$\leq 8\%$
Heavy Metals (Pb)	≤ 10 ppm
As	≤ 2 ppm

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

Storage: Maintain in cool, dry containment.