

MANGIFERIN

1,3,6,7-Tetrahydroxyxanthone-C2-β-D-glucoside

Product Specifications

Name Mangiferin

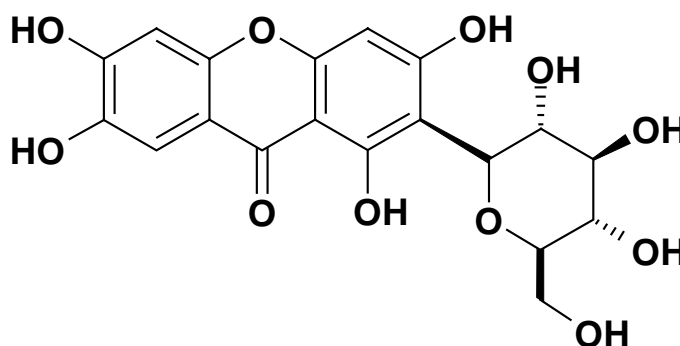
Syn: Alpizarine

CAS No. 4773-96-0

Mol. Formula C₁₉H₁₈O₁₁

Mol. Weight 422.34

Structure



Plant Source: Leaves of *Mangifera indica* L.

<i>Test</i>	<i>Specification</i>
Appearance	Pale-yellow to yellow-green powder
Identity	IR; UV-VIS
Mp	> 260 °C (98%)
Assay (hplc)	≥ 80%; ≥ 90%
LOD	< 5%
Heavy Metals (As, Pb)	< 10 ppm

- continued -

Test

Specification

Specific Rotation, $[\alpha]^{25}_D$ $\geq 34^0$ ($\geq 98\%$)
($c=1$; pyridine)**LOD**

< 3%

Heavy Metal (Pb, As)

<10 ppm

Pesticides/Herbicides Residues

hexachlorobenzene

< 0.1 ppm

quintozene (total of pentachloronitrobenzene)

<1 ppm

pentachloroaniline

<1 ppm

pentachlorothioanisol

<1 ppm

lindane

< 0.6 ppm

Total Aerobic Plate Count

<100 organisms/g

Includes:

E. coli,

negative

Salmonella

negative

Staphylococcus aureus

negative

Aspergillus species

negative

Listeria

negative

Pseudomonas

negative

Total Mold/Yeast

<100 cfu/g