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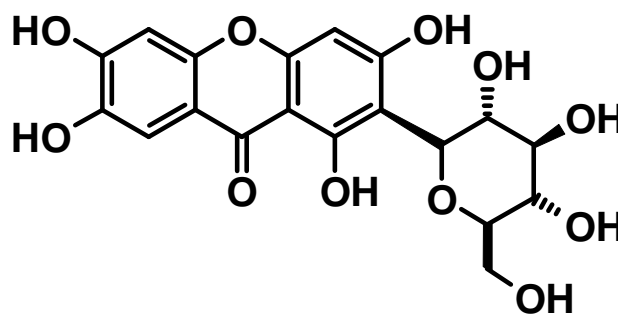
Product Specifications

Mangiferin

CAS 4773-96-0

Syn: Alpizarine; 1,3,6,7-Tetrahydroxyxanthone-C2-β-D-glucoside

Structure:



Mol. Formula
Source

$C_{19}H_{18}O_{11}$
Mangifera indica L. (leaf)

Mol. Wt.

422.34

<i>Test</i>	<i>Specification</i>
Identity	IR
Appearance	Pale-yellow to yellow-green powder
Mp	240-270 °C (uncorrected)
Assay (hplc)	> 90%; > 80%
Sp. Rot., $[\alpha]_D$	26-36° ($\geq 90\%$); (c =1; pyridine)
LOD	< 4%

- cont'd -

- cont'd -

<i>Test</i>	<i>Specification</i>
Heavy metals	
Hg	< 0.2 ppm
Pb	< 5 ppm
As	< 2 ppm
Cd	< 0.3 ppm
Cu	< 5 ppm
Pesticides/Herbicides Residues	
hexachlorobenzene	< 0.1 ppm
pentachloronitrobenzene	<1 ppm
pentachloroaniline	<1 ppm
pentachlorothioanisol	<1 ppm
lindane	< 0.6 ppm
Microbiological Specification	
Total Aerobic Plate Count	<100 organisms/g
Includes:	
<i>E. coli</i> ,	negative
<i>Salmonella</i>	negative
<i>Staphylococcus aureus</i>	negative
<i>Aspergillum species</i>	negative
<i>Listeria</i>	negative
<i>Pseudomonas</i>	negative
Mold and Yeast (CFU/g) (USP25)	<100 cfu/g

Storage: Maintain in cool, dry cool containment.