

7,8-Dihydroxyflavone

7,8-dihydroxy-2-phenylchromen-4-one | CAS 38183-03-8

Product identification

Product name	7,8-Dihydroxyflavone
Chemical name	7,8-dihydroxy-2-phenylchromen-4-one
CAS number	38183-03-8
PubChem CID	1880
Molecular formula	C ₁₅ H ₁₀ O ₄
Molecular weight	254.24 g/mol
InChIKey	COCYGNDCWFKTMF-UHFFFAOYSA-N
Canonical SMILES	<chem>C1=CC=C(C=C1)C2=CC(=O)C3=C(O2)C(=C(C=C3)O)O</chem>
Material type	Chemical reference material / technical compound

Material description

7,8-Dihydroxyflavone is a dihydroxyflavone supplied by Rexar as a chemical reference material / technical compound. The identity fields in this document describe the named chemical form and are intended to support laboratory identification, documentation and analytical comparison.

Intended use

For laboratory, analytical, chemical and method-development applications, including identity comparison, chromatographic and spectroscopic workflows. Not for human or animal consumption. Not intended for food, supplement, cosmetic, medical, diagnostic or therapeutic use.

Reference characteristics

Structural class	Dihydroxyflavone
Typical physical form	Solid / powder
Storage guidance	Keep tightly closed, dry and protected from light; follow lot-specific supplier storage information.
Reference database	PubChem CID 1880

Analytical use and traceability

Suitable as a reference material for qualitative identity work and comparative analytical workflows. Analytical acceptance criteria, purity, water content, residual solvents and other lot-specific specifications must be taken from the applicable supplier documentation or certificate of analysis; they are not inferred by this datasheet.

Safety note

PubChem's ECHA C&L; notification summary reports Acute Toxicity Category 4 (oral), H302, with signal word Warning. Supplier classifications can differ; confirm against the applicable batch/supplier SDS. Use suitable laboratory PPE, minimise dust generation and consult the applicable Safety Data Sheet before handling.

Identity verification note

Identity verified against PubChem CID 1880. This revision corrects the InChIKey in the previous Rexar datasheet.

Document control

Document	Rexar Technical Compound Datasheet
Revision	10 September 2026
Status	Reference information; not a certificate of analysis

Disclaimer

This document is provided for chemical identification and laboratory reference purposes. It does not certify batch purity or replace lot-specific analytical documentation. Users are responsible for confirming suitability, regulatory status and safe handling for their intended laboratory application.