4-DMA-7,8-DHF

2-[4-(dimethylamino)phenyl]-7,8-dihydroxychromen-4-one | CAS 1205548-04-4

Product identification

Product name	4-DMA-7,8-DHF
Chemical name	2-[4-(dimethylamino)phenyl]-7,8-dihydroxychromen-4-one
CAS number	1205548-04-4
PubChem CID	44610701
Molecular formula	C17H15NO4
Molecular weight	297.30 g/mol
InChIKey	YPAYCZOHGRSGJS-UHFFFAOYSA-N
Canonical SMILES	CN(C)C1=CC=C(C=C1)C2=CC(=O)C3=C(O2)C(=C(C=C3)O)O
Material type	Chemical reference material / technical compound

Material description

4-DMA-7,8-DHF is a synthetic flavone derivative 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	Synthetic flavone derivative
Typical physical form	Solid; supplier descriptions vary from yellow to brown
Storage guidance	Keep tightly closed, dry and protected from light; use supplier/lot-specific storage instructions where available.
Reference database	PubChem CID 44610701

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

No harmonised CLP classification was established from the public identity sources reviewed for this revision. Toxicological data are limited; handle as a laboratory chemical of unknown hazard. Use suitable laboratory PPE, minimise dust generation and consult the applicable Safety Data Sheet before handling.

Identity verification note

Identity verified against PubChem CID 44610701. The previous Rexar datasheet contained an incorrect InChIKey; this revision uses the PubChem identifier.

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.