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DATASHEET

7-Amino-4-methylcoumarin

Product overview

Name	7-Amino-4-methylcoumarin
Cat No	HB0694
Alternative names	AMC
Purity	>98%
Description	Highly sensitive and selective fluorogenic H ₂ S probe.

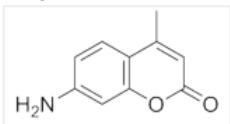
Biological Data

Biological description	Fluorochrome. Used for trace determination of enzymes. Also suitable as a laser dye.
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Solubility & Handling

Storage instructions	+4 °C
Solubility overview	Soluble in DMSO (10 mg/ml)
Important	This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.

Chemical Data

Chemical name	7-amino-4-methylchromen-2-one
Molecular Weight	175.2
Chemical structure	
Molecular Formula	C ₁₀ H ₉ NO ₂
CAS Number	26093-31-2
PubChem identifier	92249
SMILES	CC1=CC(=O)OC2=C1C=CC(N)=C2
InChi	InChI=1S/C10H9NO2/c1-6-4-10(12)13-9-5-7(11)2-3-8(6)9/h2-5H,11H2,1H3
InChiKey	HEKDKVLIMUWRRZ-UHFFFAOYSA-N
MDL number	MFCD00006868
Appearance	White to yellow solid

References

Rapid and general profiling of protease specificity by using combinatorial fluorogenic substrate libraries

Harris JL *et al* (2000) Proc Natl Acad Sci U S A 97

PubMedID [10869434](#)

Bright ideas for chemical biology

Lavis LD *et al* (2008) ACS Chem Biol 3(3)

PubMedID

18355003

Design and application of a fluorogenic assay for monitoring inflammatory caspase activity

Ranganathan R *et al* (2018) *Anal Biochem* 543

PubMedID

29198574
