[Product Information]

Name: 4-(Dimethylamino)cinnamaldehyde
Catalog No.: CFN98120
Cas No.: 6203-18-5
Purity: >=98%
M.F: C_{11}H_{13}NO
M.W: 175.23
Physical Description: Yellow powder
Synonyms: (2E)-3-[4-(Dimethylamino)phenyl]-2-propenal; 3-(4-(Dimethylamino)phenyl)-2-Propenal.

[Intended Use]

1. Reference standards;
2. Pharmacological research;
3. Synthetic precursor compounds;
4. Intermediates & Fine Chemicals;
5. Others.

[Source]

The barks of Cinnamomum cassia Presl.

[Biological Activity or Inhibitors]
The 4-(dimethylamino)cinnamaldehyde (DMAC) assay is currently used to quantify proanthocyanidin (PAC) content in cranberry products.\[1\]

4-Dimethylaminocinnamaldehyde is a photometric reagent for primary aromatic amines.\[2\]

[ Solvent ]
Chloroform, Dichloromethane, Ethyl Acetate, DMSO, Acetone, etc.

[ HPLC Method ]\[^{3}\]
Mobile phase: 2.5% Aqueous acetic acid- 10%Acetonitrile in 2.5% aqueous acetic acid -Acetonitrile,gradient elution;
Flow rate:0.5 ml/min;
Column temperature: 25°C;
The wave length of determination:280 nm.

[ Storage ]
2-8°C, Protected from air and light, refrigerate or freeze.

[ References ]

[ Contact ]
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