

Dencichin Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Dencichin

Catalog No.: CFN90413

Cas No.: 7554-90-7

Purity: >=98%

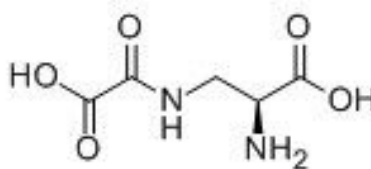
M.F: C₅H₈N₂O₅

M.W: 176.13

Physical Description: Powder

Synonyms: 2-Amino-3-(oxaloamino)propanoic acid; Oxalyldiaminopropionic acid;

DL-Alanine, 3-[(carboxycarbonyl)amino]-; Dencichine.



[Intended Use]

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

[Source]

The roots of *Panax notoginseng* (Burk.) F.H.Chen.

[Biological Activity or Inhibitors]

Dencichine is a haemostatic agent present in important Chinese medicinal herbs such as Panax notoginseng, as well as other Panax species, it is also a reported neurotoxic agent found in Lathyrus sativus (grass pea seed).^[1]

[Solvent]

Pyridine, Methanol, Ethanol, etc.

[HPLC Method]^[2]

Mobile phase: Methanol-0.05 M NaH₂PO₄(pH adjusted to 7.4 with NaOH solution)=48:52 ;

Flow rate: 1.0 ml/min;

Column temperature: 30 °C;

The wave length of determination: 262 nm.

[Storage]

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

[References]

[1]Hwee - Ling K, Aik - Jiang L, Chan E C. *Rapid Commun.Mass Sp.* 2005, 19(10): 1237-44.

[2] Zhu J, Liu S K, Fu C M, *et al.* *China Journal of Chinese Materia Medica*, 2006, 31(22):1865-8.

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