ChemFaces

Hyoscyamine Datasheet

4th Edition (Revised in July, 2016)

[ Product Information ]

Name: Hyoscyamine
Catalog No.: CFN00232
Cas No.: 101-31-5
Purity: > 98%
M.F: C₁₇H₂₃NO₃
M.W: 289.37

Physical Description: Powder
Synonyms: (-)-Hyoscyamin; (S)-(−)-Hyoscyamine; 1-Hyoscyamine;
alpha-(Hydroxymethyl)-benzeneaceticaci8-methyl-8-azabicyclo(3.2.1)oct-3-y.

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

[ Source ]
The roots of Anisodus tanguticus.

[ Biological Activity or Inhibitors ]
Hyoscyamine could be used to reduce abdominal discomfort and colonic spasm during a barium enema.\cite{1}

Hyoscyamine and scopolamine are widely used in medicine due to their anticholinergic activity.\cite{2}

[ **Solvent** ]

Chloroform, Dichloromethane, Ethyl Acetate, DMSO, Acetone, etc.

[ **HPLC Method** ]\cite{3}

Mobile phase: Methanol-Acetonitrile-Water[the water phase was composed of 1.5 M H$_3$PO$_4$ (adjust pH to 3.0 ± 0.1 with triethylamine)-0.2 M KH$_2$PO$_4$ (adjust pH to 2.5 ± 0.1 with phosphoric acid)-0.15\% sodium laurylsulfate(2.5:22.5:75)]=3:27:70;

Flow rate: 1.0 ml/min;

Column temperature: 30 °C;

The wave length of determination: 208 nm.

[ **Storage** ]

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

[ **References** ]


[ **Contact** ]

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