[ **Product Information** ]

Name: Atropine sulfate

Catalog No.: CFN90575

Cas No.: 55-48-1

Purity: >=98%

M.F: C_{17}H_{25}NO_{7}S

M.W: 387.45

Physical Description: Powder

Synonyms: 1-Alpha-h,5-alpha-h-tropan-3-alpha-ol(+-)-tropate(ester),sulfate(2:1)sal;
Atropinsal; Atopinsiran; Atropinysiarczan.

[ **Intended Use** ]

1. Reference standards;

2. Pharmacological research;

3. Synthetic precursor compounds;

4. Intermediates & Fine Chemicals;

5. Others.

[ **Source** ]

The herbs of *Atropa belladonna* L.

[ **Biological Activity or Inhibitors** ]
Atropine sulfate could be as anticonvulsant treatment on organophosphorus nerve agents-induced seizures.\[^{[1]}\]

Atropine sulphate as a corrosion inhibitor for mild steel in sulphuric acid medium.\[^{[2]}\]

Atropine sulfate (15 mg/kg) given intraduodenally, can markedly inhibit gastric secretion in pylorus-ligated rats and can significantly accelerate the healing of duodenal ulcers but failed to affect gastric ulcers. \[^{[3]}\]

**[Solvent]**

Pyridine, Methanol, Ethanol, etc.

**[HPLC Method]**\[^{[4]}\]

- Mobile phase: Methanol- 0.5%KH\(_2\)PO\(_4\) =35:65 ;
- Flow rate: 1.0 ml/min;
- Column temperature: 30 °C;
- The wave length of determination: 217 nm.

**[Storage]**

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

**[References]**


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