Natural Products

ChemFaces

Cathinone Datasheet

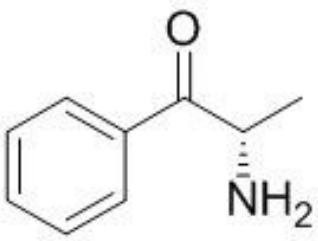
5th Edition (Revised in January, 2017)

[Product Information]

Name: Cathinone

Catalog No.: CFN00058

Cas No.: 71031-15-7



Purity: >=98%

M.F: $C_9H_{11}NO$

M.W: 149.19

Physical Description: Oil

Synonyms:(2S)-2-Amino-1-phenylpropan-1-one.

[Intended Use]

1. Reference standards;
2. Pharmacological research;
3. Synthetic precursor compounds;
4. Ingredient in supplements, beverages;
5. Intermediates & Fine Chemicals;
6. Others.

[Source]

The herbs of *Catha edulis.*

[Biological Activity or Inhibitors]

Cathinone is the main psychoactive constituent of the khat leaf and this alkaloid is a natural amphetamine, cathinone shares the action of amphetamine on CNS as well as its sympathomimetic effects.[1]

Cathinone has amphetamine-like effects, it can produce increases in blood pressure and in heart rate, and these changes are concomitant with the presence of cathinone in blood plasma, it has in humans euphorigenic and psychostimulant effects.[2]

Cathinone has vasoconstrictor activity which is not due to indirect or direct sympathomimetic activity, the coronary vasoconstriction may explain the increased incidence of myocardial infarction in khat chewers, which may arise from coronary vasospasm. [3]

(-)-Cathinone has reproductive toxicity in rats. [4]

[Solvent]

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

[HPLC Method][5]

Mobile phase: Hexane-Isopropanol-Triethylamine=97:3:0.1;

Flow rate: 1.0 ml/min;

Column temperature: Room Temperature;

The wave length of determination: 254 nm.

[Storage]

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

[References]

[1] Kalix P. *Pharmacol. Toxicol., 1992, 70(2):77-86.*

[2] Brenneisen R, Fisch H U, Koelbing U, *et al. Br. J. Clin. Pharmacol., 1990, 30(6):825-8.*

[3] Al-Motarreb A L, Broadley K J. *Auton. Autacoid. Pharmacol.,2003 ,23(5-6):319-26.*

[4] Islam M W, Tariq M, Ageel A M, *et al. Toxicology,1990,60(3):223-34.*

[5] Mohr S, Taschwer M, Schmid M G. *Chirality, 2012, 24(6):486-92.*

[Contact]

Address:
S5-3 Building, No. 111, Dongfeng Rd.,
Wuhan Economic and Technological Development Zone,
Wuhan, Hubei 430056,
China

Email: info@chemfaces.com
Tel: +86-27-84237783
Fax: +86-27-84254680
Web: www.chemfaces.com
Tech Support: service@chemfaces.com