

Norepinephrine Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Norepinephrine

Catalog No.: CFN90047

Cas No.: 51-41-2

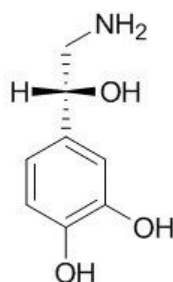
Purity: >=98%

M.F: C₈H₁₁NO₃

M.W: 169.18

Physical Description: Powder

Synonyms:Arterenol; NE; Noradrenalin; 4-(2-amino-2-hydroxyethyl)benzene-1,2-diol.



[Intended Use]

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

[Source]

Not data available.

[Biological Activity or Inhibitors]

Norepinephrine can stimulates apoptosis in adult rat ventricular myocytes by activation of

the β -adrenergic pathway.^[1]

Noradrenergic system may play a significant role in modulating the development of ischemic neuronal damage.^[2]

Norepinephrine can up-regulate the expression of vascular endothelial growth factor, matrix metalloproteinase (MMP)-2, and MMP-9 in nasopharyngeal carcinoma tumor cells.^[3]

[Solvent]

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

[HPLC Method]^[4]

Mobile phase: Ethanol- Methanol=75:25;

Flow rate: 1.0 ml/min;

Column temperature: 25 °C;

The wave length of determination: 226 nm.

[Storage]

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

[References]

[1] Communal C, Singh K, Pimentel D R, *et al. Circulation*, 1998, 98(13):1329-34.

[2] Globus M Y T, Busto R, Dietrich W D, *et al. J. Cerebr. Blood F. Met.*, 1990, 9(6):892-6.

[3] Yang E V, Sood A K, Chen M, *et al. Cancer Res.*, 2006, 66(21):10357-64.

[4] Cao X L, Hou J F, Wu P. *Chem. Res. Appl.*, 2013, 25(11):1533-6.

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