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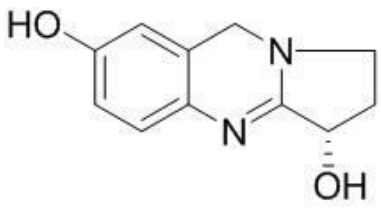
3rd Edition (Revised in January, 2014)

[Product Information]

Name: Vasicinol

Catalog No.: CFN99009

Cas No.: 5081-51-6



Purity: > 98%

M.F: $C_{11}H_{12}N_2O_2$

M.W: 204.2

Physical Description: Powder

Synonyms:

(3R)-1,2,3,9-tetrahydropyrrolo[2,1-b]quinazoline-3,7-diol

[Intended Use]

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

[Source]

The leaves of *Adhatoda vasica Nees*

[Aplications]

Vasicinol showed a high sucrase inhibitory activity, and the IC50 values was 250 μM. It was shown to be reversible inhibitors of sucrase. Kinetic data revealed that Vasicinol inhibited sucrose-hydrolysing activity of rat intestinal α-glucosidase competitively with Ki values of 183 μM, respectively. These results suggest vasicinol could be an useful treatment for metabolic disorders.

Transient hypotensive agent, cardiac depressant. Histamine antagonist, shows mild anticholinesterase activity.

[Solvent]

Chloroform, Dichloromethane, Diethyl ether, DMSO, Acetone, etc.

[HPLC Method]

Mobile phase: Methanol-H2O gradient elute;

Flow rate: 1.0 ml/min;

The wave length of determination: 292 nm.

[Storage]

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

[References]

1. *Tetrahedron: Asymmetry*, 1996, 7(1), 25-28.

2. *Food Chemistry*, 2008, 108(3), 965-972.

3. *Chem. Pharm. Bull.*, 2002, 50, 1393-1394.