

Product Name: HEAT hydrochloride

Catalog No.: 0535

Batch No.: 1

CAS Number: 30007-39-7

IUPAC Name: 2-[[β-(4-Hydroxyphenyl)ethyl]aminomethyl]-1-tetralone hydrochloride

Description:

Very selective α₁-adrenoceptor antagonist, precursor of the 3-[¹²⁵I]-derivative.

Physical and Chemical Properties:

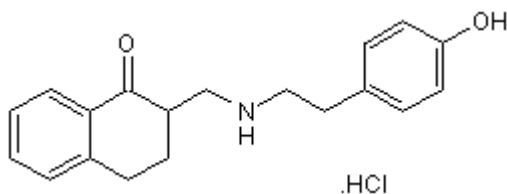
Batch Molecular Formula: C₁₉H₂₁NO₂.HCl

Batch Molecular Weight: 331.84

Physical Appearance: White crystalline solid

Minimum Purity: >98%

Batch Molecular Structure:



Storage: Desiccate at -20°C

Solubility & Usage Info:

DMSO to 100 mM

Stability and Solubility Advice:

Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. Our standard recommendations are:

SOLIDS: Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.

SOLUTIONS: We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

Other Information:

Certificate of Analysis is currently unavailable.

References:

Baumgarten et al (1972) Mechanisms of pressor effect of 5,6-dihydroxytryptamine in pithed rats. *Naunyn Schmiedebergs Arch.Pharmacol.* **274** 375. PMID: 4404780.

Williams et al (1978) Interaction of 2-[β-(4-hydroxyphenyl)ethylaminomethyl]tetralone (BE 2254: 'HEAT') with catecholamine receptors in rat brain membranes. *J.Pharm.Pharmacol.* **30** 390. PMID: 26778.

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

bio-techne.com

info@bio-techne.com

techsupport@bio-techne.com

North America

Tel: (800) 343 7475

China

info.cn@bio-techne.com

Tel: +86 (21) 52380373

Europe Middle East Africa

Tel: +44 (0)1235 529449

Rest of World

www.tocris.com/distributors

Tel: +1 612 379 2956