1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₈H₁₁NO₂·HCl
Batch Molecular Weight: 189.64
Physical Appearance: White solid
Solubility: Water to 100 mM
Storage: Desiccate at RT

2. ANALYTICAL DATA

TLC: Rₜ = 0.72 (Isopropanol:Ammonia solution [8:6])
HPLC: Shows 100% purity
¹H NMR: Consistent with structure
Product Information

Product Name: Octopamine hydrochloride
Catalog No.: 2242
Batch No.: 1

CAS Number: 770-05-8
IUPAC Name: α-(Aminomethyl)-4-hydroxybenzenemethanol hydrochloride
EC Number: 212-216-4

Description:
Invertebrate biogenic amine neurotransmitter, related to noradrenalin, that is an adrenoceptor agonist. Stimulates lipolysis in mammalian adipocytes via activation of β3 receptors. Has dual effect on glucose transport in adipocytes: inhibits transport via β3 receptor activation but stimulates transport when oxidized by MAO. Also activates human α2A receptors, inhibiting subsequent cAMP production.

Physical and Chemical Properties:
Batch Molecular Formula: C9H11NO2.HCl
Batch Molecular Weight: 189.64
Physical Appearance: White solid
Minimum Purity: >99%

Batch Molecular Structure:

OH
\[\begin{array}{c}
\text{HO} \\
\text{NH}_2
\end{array}\]
\[\text{.HCl}\]

Storage: Desiccate at RT

Solubility & Usage Info:
water 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.

References: