1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C_{17}H_{21}NO_{4}.HCl
Batch Molecular Weight: 339.81

Physical Appearance: White crystalline solid
Solubility: Water to 100 mM
Storage: Store at RT

2. ANALYTICAL DATA

HPLC: Shows >99% purity
Optical Rotation: [\alpha]_D = -72.2 (Concentration = 2.5, Solvent = Water)
Product Information

Product Name: Cocaine hydrochloride
Catalog No.: 2833
Batch No.: 3
CAS Number: 53-21-4
EC Number: 200-167-1
IUPAC Name: 3β-Hydroxy-1αH,5αH-tropane-2β-carboxylic acid methyl ester benzoate hydrochloride

Description:
Competitive inhibitor of monoamine neurotransmitter transporters. Inhibits dopamine (DAT), serotonin (SERT) and noradrenalin (NET) transporters with Kᵢ values are 267, 392 and 872 nM respectively. Psychostimulant.

Physical and Chemical Properties:
Batch Molecular Formula: C₁₇H₂₅NO₄.HCl
Batch Molecular Weight: 339.81
Physical Appearance: White crystalline solid
Minimum Purity: >99%

Storage:
Store at RT
CAUTION - This product is light sensitive and we recommend that the solid material and any solutions obtained are protected from exposure to light.

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.

Other Information:
INFORMATION FOR CUSTOMERS IN THE UK ONLY
This product is a Schedule 2 Home Office controlled substance and customers in the UK are required to hold the relevant licence or be exempt from restrictions in order to purchase and possess this material.

INFORMATION FOR CUSTOMERS IN THE USA ONLY
This product is a Schedule II DEA controlled substance and customers in the USA are required to hold a controlled substance registration in order to purchase and possess this material (in accordance with Title 21 code of federal regulations part 1300 to end).

INFORMATION FOR CUSTOMERS IN CANADA ONLY
This product is a Schedule I CDSA controlled substance and customers in Canada require an import permit to purchase this material.

References: