Product Name: Threo-methylphenidate hydrochloride
Catalog No.: 1812
Batch No.: 2
CAS Number: 298-59-9
EC Number: 206-065-3
IUPAC Name: Threo-methyl α-Phenyl-2-piperidineacetate hydrochloride

1. PHYSICAL AND CHEMICAL PROPERTIES

   Batch Molecular Formula: \( C_{14}H_{19}NO_2\cdot HCl \)
   Batch Molecular Weight: 269.77
   Physical Appearance: White solid
   Solubility: water to 50 mM, ethanol to 100 mM
   Storage: Store at RT
   Batch Molecular Structure:

   ![Batch Molecular Structure](image)

2. ANALYTICAL DATA

   HPLC: Shows 99.1% purity
   \(^1\)H NMR: Consistent with structure
   Mass Spectrum: Consistent with structure
Product Name: Threeo-methylphenidate hydrochloride
Catalog No.: 1812
Batch No.: 2
EC Number: 206-065-3

Description:
Psychomotor stimulant. Inhibitor of dopamine and noradrenalin transporters that increases the extracellular concentration of dopamine and noradrenalin. Increases locomotor activity in vivo.

Physical and Chemical Properties:
Batch Molecular Formula: C_{14}H_{18}NO_{2}.HCl
Batch Molecular Weight: 269.77
Physical Appearance: White solid
Minimum Purity: >99%

Storage: Store at RT

Solubility & Usage Info:
water to 50 mM
ethanol 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 III CDSA controlled substance and customers in Canada require an import permit to purchase this material.

References: