Product Name: THIP hydrochloride
Catalog No.: 0807  Batch No.: 16
CAS Number: 85118-33-8  EC Number: 264-963-0
IUPAC Name: 4,5,6,7-Tetrahydroisoxazolo[5,4-c]pyridin-3-ol hydrochloride

1. PHYSICAL AND CHEMICAL PROPERTIES

   Batch Molecular Formula: C₆H₈N₂O₂.HCl
   Batch Molecular Weight: 176.6
   Physical Appearance: White solid
   Solubility: water to 100 mM
               DMSO to 100 mM
   Storage:    Store at RT
   Batch Molecular Structure:

2. ANALYTICAL DATA

   HPLC:         Shows 98.9% purity
   ¹H NMR:        Consistent with structure
   Mass Spectrum: Consistent with structure
   Microanalysis:
                   Carbon  Hydrogen  Nitrogen
                   Theoretical 40.81  5.14  15.86
                   Found       40.82  5.14  15.78
Product Name: THIP hydrochloride
Catalog No.: 0807
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CAS Number: 85118-33-8
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IUPAC Name: 4,5,6,7-Tetrahydroisoxazolo[5,4-c]pyridin-3-ol hydrochloride

Description:
Systemically active GABA<sub>A</sub> receptor agonist and GABA<sub>C</sub> receptor antagonist. Displays antinociceptive, anticonvulsant and sedative effects. Hypnotic agent that enhances delta activity within non-REM sleep in rats.

Physical and Chemical Properties:
Batch Molecular Formula: C<sub>6</sub>H<sub>8</sub>N<sub>2</sub>O<sub>2</sub>.HCl
Batch Molecular Weight: 176.6
Physical Appearance: White solid
Minimum Purity: >98%

Storage: Store at RT

Solubility & Usage Info:
water to 100 mM
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.

References: