1. PHYSICAL AND CHEMICAL PROPERTIES

- **Batch Molecular Formula:** $C_{16}H_{26}NO_4S.C_7H_7O_3S$
- **Batch Molecular Weight:** 499.64
- **Physical Appearance:** White solid
- **Solubility:**
  - Water to 100 mM
  - DMSO to 100 mM
  - Ethanol to 100 mM
- **Storage:** Store at RT
- **Batch Molecular Structure:**

2. ANALYTICAL DATA

- **Melting Point:** Between 84 - 86°C
- **HPLC:** Shows 99.3% purity
- **$^1$H NMR:** Consistent with structure
- **Mass Spectrum:** Consistent with structure
- **Microanalysis:**
  - Carbon 55.29
  - Hydrogen 6.66
  - Nitrogen 2.8
  - Theoretical: 55.29 6.66 2.8
  - Found: 55.32 6.22 2.86
Product Name: Suplatast tosylate  
Catalog No.: 3543  
Batch No.: 1

CAS Number: 94055-76-2  
IUPAC Name: [3-[[4-(3-Ethoxy-2-hydroxypropoxy)phenyl]amino]-3-oxopropyl]dimethylsulfonium 4-methylbenzenesulfonate

Description:
Th2 cytokine inhibitor that attenuates IL-2, IL-5 and IL-13 production and has no effect on IFN-γ production. Acts as an immunoregulator that suppresses IgE production, eosinophil infiltration and histamine release. Exhibits antiasthmatic, anti-inflammatory and antifibrotic activity in vivo and is orally active.

Physical and Chemical Properties:
Batch Molecular Formula: C_{10}H_{18}NO_{3}S.C_{6}H_{7}O_{3}S
Batch Molecular Weight: 499.64
Physical Appearance: White solid
Minimum Purity: >99%

Batch Molecular Structure:

Storage: Store at RT

Solubility & Usage Info:
water to 100 mM  
DMSO to 100 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.

References: