1. PHYSICAL AND CHEMICAL PROPERTIES

- **Batch Molecular Formula:** $C_{19}H_{28}N_4O_3\cdot0.33H_2O$
- **Batch Molecular Weight:** 366.4651
- **Physical Appearance:** Pale yellow solid
- **Solubility:** DMSO to 100 mM, ethanol to 25 mM
- **Storage:** Store at +4°C
- **Batch Molecular Structure:**

![Chemical Structure](image)

2. ANALYTICAL DATA

- **TLC:** $R_f = 0.1$ (Ethyl acetate:Hexane [1:1])
- **Melting Point:** Between 168 - 170°C (dec)
- **HPLC:** Shows 98.1% purity
- **$^1$H NMR:** Consistent with structure
- **Mass Spectrum:** Consistent with structure
- **Microanalysis:**
  
<table>
<thead>
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<th>Element</th>
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<td>14.81</td>
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Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

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**Product Name:** LY 255283  
**CAS Number:** 117690-79-6  
**IUPAC Name:** 1-[5-Ethyl-2-hydroxy-4-[[6-methyl-6-(1H-tetrazol-5-yl)heptyl]oxy]phenyl]ethanone

**Description:**
Selective, competitive antagonist of BLT₂ receptors (IC₅₀ values are ~ 1 and > 10 μM at human recombinant BLT₂ and BLT₁ receptors respectively). Inhibits LTB₄-induced contraction of lung parenchyma (pA₂ = 7.2), and reduces LTB₄-mediated airway obstruction in guinea pigs following i.v. and oral administration.

**Physical and Chemical Properties:**
Batch Molecular Formula: C₁₉H₂₈N₄O₆.0.33H₂O  
Batch Molecular Weight: 366.4651  
Physical Appearance: Pale yellow solid  
Minimum Purity: ≥98%

**Storage:** Store at +4°C

**Solubility & Usage Info:**
DMSO to 100 mM  
ethanol to 25 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:**