1. PHYSICAL AND CHEMICAL PROPERTIES

- **Batch Molecular Formula:** $C_{27}H_{22}BrNO_4S$
- **Batch Molecular Weight:** 536.44
- **Physical Appearance:** White solid
- **Solubility:** DMSO to 100 mM
- **Storage:** Store at RT

2. ANALYTICAL DATA

- **TLC:** $R_f = 0.46$ (Chloroform: Ethyl Acetate [3:2])
- **HPLC:** Shows 99.1% purity
- **$^1$H NMR:** Consistent with structure
- **Mass Spectrum:** Consistent with structure
- **Microanalysis:**
  - Carbon: 60.37%
  - Hydrogen: 4.12%
  - Nitrogen: 2.49%
  - Theoretical: Carbon 60.45%, Hydrogen 4.13%, Nitrogen 2.61%
Product Information

**Product Name:** L-798,106  
**Catalog No.:** 3342  
**Batch No.:** 5

**CAS Number:** 244101-02-8  
**IUPAC Name:** N-[(5-Bromo-2-methoxyphenyl)sulfonyl]-3-[2-(2-naphthalenylmethyl)phenyl]-2-propenamide

**Description:** Potent and highly selective prostanoid EP\textsubscript{3} receptor antagonist (K values are 0.3, 916, > 5000 and > 5000 nM at EP\textsubscript{3}, EP\textsubscript{4}, EP\textsubscript{1} and EP\textsubscript{2} respectively). Attenuates sulprostone-induced inhibition of EFS-evoked twitch and contractile responses in vivo.

**Physical and Chemical Properties:**
- **Batch Molecular Formula:** C\textsubscript{27}H\textsubscript{22}BrNO\textsubscript{5}S
- **Batch Molecular Weight:** 536.44
- **Physical Appearance:** White solid

**Minimum Purity:** >99%

**Storage:** Store at RT

**Solubility & Usage Info:**
- 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:**