

## Certificate of Analysis

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**Product Name:** Statil

**Catalog No.:** 0847

**Batch No.:** 1

CAS Number: 72702-95-5

IUPAC Name: [3-(4-Bromo-2-fluorobenzyl)-4-oxo-3*H*-phthalazin-1-yl]acetic acid

### 1. PHYSICAL AND CHEMICAL PROPERTIES

**Batch Molecular Formula:** C<sub>17</sub>H<sub>12</sub>BrFN<sub>2</sub>O<sub>3</sub>

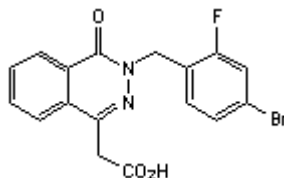
**Batch Molecular Weight:** 391.2

**Physical Appearance:** White solid

**Solubility:** DMSO to 100 mM  
ethanol to 25 mM

**Storage:** Store at RT

**Batch Molecular Structure:**



### 2. ANALYTICAL DATA

**TLC:** R<sub>f</sub> = 0.84 (Pyridine:Acetic acid:Water:Butanol [3:8:11:33])

**<sup>1</sup>H NMR:** Consistent with structure

**Microanalysis:**

	Carbon	Hydrogen	Nitrogen
Theoretical	52.2	3.09	7.16
Found	52.47	2.99	7.2

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**Description:**

Potent aldose reductase inhibitor.

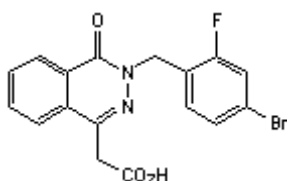
**Physical and Chemical Properties:**

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**Batch Molecular Structure:**



**Storage:** Store at RT

**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:**

**Kador et al (1985)** Aldose reductase inhibitors: a potential new class of agents for the pharmacological control of certain diabetic complications. *J.Med.Chem.* **28** 841. PMID: 3925146.

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**bio-techne.com**

info@bio-techne.com

techsupport@bio-techne.com

**North America**

Tel: (800) 343 7475

**China**

info.cn@bio-techne.com

Tel: +86 (21) 52380373

**Europe Middle East Africa**

Tel: +44 (0)1235 529449

**Rest of World**

www.tocris.com/distributors

Tel: +1 612 379 2956