

## Certificate of Analysis

**Product Name:** TC-G 1001

**Catalog No.:** 4879

**Batch No.:** 1

CAS Number: 494191-73-0

IUPAC Name: 4-[[2-[(2-Fluorophenyl)amino]-4-oxo-5(4*H*)-thiazolylidene]methyl]benzoic acid

### 1. PHYSICAL AND CHEMICAL PROPERTIES

**Batch Molecular Formula:** C<sub>17</sub>H<sub>11</sub>FN<sub>2</sub>O<sub>3</sub>S·¼H<sub>2</sub>O

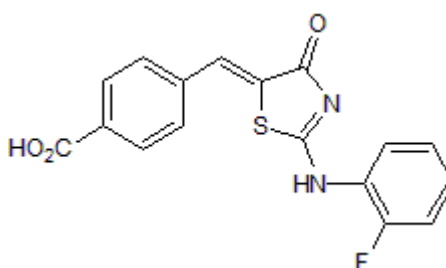
**Batch Molecular Weight:** 346.84

**Physical Appearance:** Yellow solid

**Solubility:** DMSO to 10 mM

**Storage:** Store at +4°C

**Batch Molecular Structure:**



### 2. ANALYTICAL DATA

**HPLC:** Shows 98.2% purity

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

**Mass Spectrum:** Consistent with structure

**Microanalysis:**

	Carbon	Hydrogen	Nitrogen
Theoretical	58.87	3.34	8.08
Found	59.02	3.24	8.02

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**Description:**

GPR35 agonist (pEC<sub>50</sub> values are 7.59 and 8.36 for β-arrestin and Gα<sub>q-15</sub> Ca<sup>2+</sup> assays respectively). Displays 1000-fold greater potency at human GPR35 receptors relative to mouse and rat GPR35 orthologs in an IP1 accumulation assay. More potent than zaprinast (Cat. No. 0947).

**Physical and Chemical Properties:**

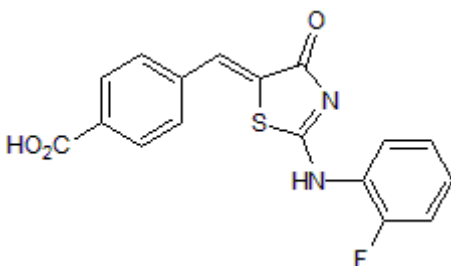
Batch Molecular Formula: C<sub>17</sub>H<sub>11</sub>FN<sub>2</sub>O<sub>3</sub>S.¼H<sub>2</sub>O

Batch Molecular Weight: 346.84

Physical Appearance: Yellow solid

**Minimum Purity:** >98%

**Batch Molecular Structure:**



**Storage:** Store at +4°C

**Solubility & Usage Info:**

DMSO to 10 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:**

**Neetoo-Isseljee et al (2013)** High-throughput identification and characterization of novel, species-selective GPR35 agonists. *J.Pharmacol.Exp.Ther.* **344** 568. PMID: 23262279.

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