

Certificate of Analysis

Product Name: TCS 3035

Catalog No.: 4244

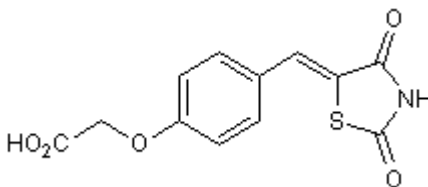
Batch No.: 1

CAS Number: 871085-49-3

IUPAC Name: 2-[4-[(Z)-(2,4-Dioxo-5-thiazolidinylidene)methyl]phenoxy]acetic acid

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₁₂H₉NO₅S.¼H₂O
Batch Molecular Weight: 283.77
Physical Appearance: Off White solid
Solubility: DMSO to 100 mM
ethanol to 10 mM with sonication
Storage: Store at +4°C
Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 99.7% purity
¹H NMR: Consistent with structure
Mass Spectrum: Consistent with structure
Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	50.79	3.37	4.94
Found	50.66	3.29	4.9

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

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Description:

GPR35 agonist (pEC₅₀ values are 5.13 and 5.86 for rat and human GPR35 orthologs, respectively).

Physical and Chemical Properties:

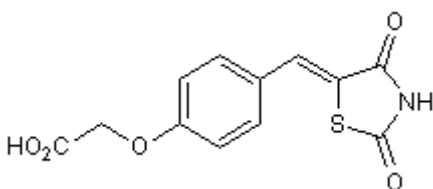
Batch Molecular Formula: C₁₂H₉NO₅S.¼H₂O

Batch Molecular Weight: 283.77

Physical Appearance: Off White solid

Minimum Purity: >98%

Batch Molecular Structure:



Storage: Store at +4°C

Solubility & Usage Info:

DMSO to 100 mM

ethanol to 10 mM with sonication

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:

Jenkins *et al* (2011) Agonist activation of the G protein-coupled receptor GPR35 involves transmembrane domain III and is transduced via G_{α13} and β-arrestin-2. *Br.J.Pharmacol.* **162** 733. PMID: 20958291.

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