

**Product Name:** ML 145

**Catalog No.:** 4172

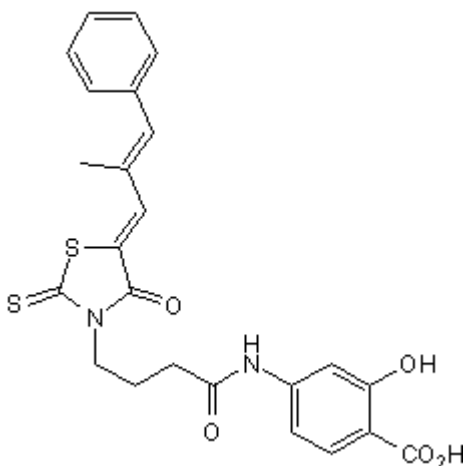
**Batch No.:** 1

**CAS Number:** 1164500-72-4

**IUPAC Name:** 2-Hydroxy-4-[4-(5Z)-5-[(E)-2-methyl-3-phenylprop-2-enylidene]-4-oxo-2-sulfanylidene-1,3-thiazolidin-3-yl]butanoylamino]benzoic acid

**1. PHYSICAL AND CHEMICAL PROPERTIES**

**Batch Molecular Formula:** C<sub>24</sub>H<sub>22</sub>N<sub>2</sub>O<sub>5</sub>S<sub>2</sub>  
**Batch Molecular Weight:** 482.57  
**Physical Appearance:** Yellow solid  
**Solubility:** DMSO to 100 mM  
**Storage:** Store at -20°C  
**Batch Molecular Structure:**



**2. ANALYTICAL DATA**

**HPLC:** Shows 98.0% purity  
**<sup>1</sup>H NMR:** Consistent with structure  
**Mass Spectrum:** Consistent with structure  
**Microanalysis:**

	Carbon	Hydrogen	Nitrogen
Theoretical	59.73	4.6	5.81
Found	59.63	4.55	5.95

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

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**Description:**

Selective antagonist for the GPR35 orphan receptor GPCR (IC<sub>50</sub> = 20.1 nM). Over 1000-fold more selective for GPR35 compared to GPR55 antagonists.

**Physical and Chemical Properties:**

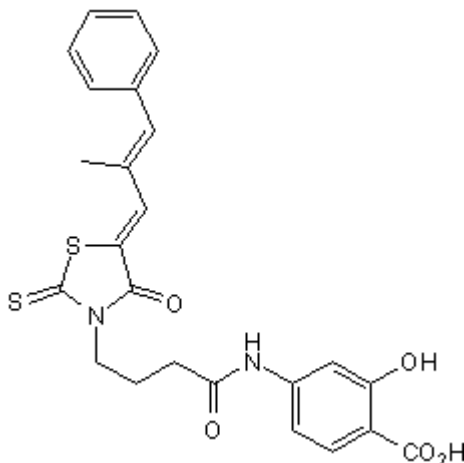
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Batch Molecular Weight: 482.57

Physical Appearance: Yellow solid

**Minimum Purity:** >98%

**Batch Molecular Structure:**



**Storage:** Store at -20°C

**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:**

**Heynen-Genel et al (2010)** Antagonists for the orphan receptor GPR35. Probe Reports from the Molecular Libraries Program NBK5070.

**Jenkins et al (2012)** Antagonists of GPR35 display high species ortholog selectivity and varying modes of action. J.Pharmacol.Exp.Ther. **343** 683. PMID: 22967846.

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