

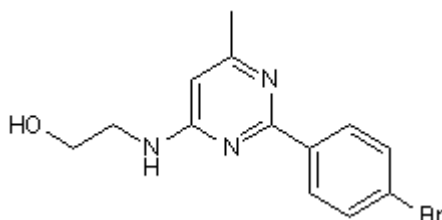
## Certificate of Analysis

**Product Name:** AS 1269574  
**CAS Number:** 330981-72-1  
**IUPAC Name:** 2-[[2-(4-Bromophenyl)-6-methyl-4-pyrimidinyl]amino]ethanol

**Catalog No.:** 4177 **Batch No.:** 1

### 1. PHYSICAL AND CHEMICAL PROPERTIES

**Batch Molecular Formula:** C<sub>13</sub>H<sub>14</sub>BrN<sub>3</sub>O  
**Batch Molecular Weight:** 308.17  
**Physical Appearance:** White solid  
**Solubility:** DMSO to 100 mM  
 ethanol to 100 mM  
**Storage:** Store at -20°C  
**Batch Molecular Structure:**



### 2. ANALYTICAL DATA

**HPLC:** Shows 99% purity  
**<sup>1</sup>H NMR:** Consistent with structure  
**Mass Spectrum:** Consistent with structure  
**Microanalysis:**

	Carbon	Hydrogen	Nitrogen
Theoretical	50.67	4.58	13.64
Found	50.55	4.52	13.63

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

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**Description:**

GPR119 receptor agonist ( $EC_{50}$  = 2.5  $\mu$ M in HEK293 cells expressing human GPR119). Enhances insulin secretion stimulated by glucose *in vivo*. Stimulates proglucagon gene promoter activity. Orally available.

**Physical and Chemical Properties:**

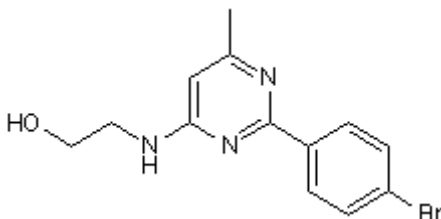
Batch Molecular Formula: C<sub>13</sub>H<sub>14</sub>BrN<sub>3</sub>O

Batch Molecular Weight: 308.17

Physical Appearance: White solid

**Minimum Purity:** >98%

**Batch Molecular Structure:**



**Storage:** Store at -20°C

**Solubility & Usage Info:**

DMSO to 100 mM  
ethanol 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:**

**Yoshida et al** (2010) Identification of a novel GPR119 agonist, AS1269574, with *in vitro* and *in vivo* glucose-stimulated insulin secretion. *Biochem.Biophys.Res.Commun.* **400** 437. PMID: 20804735.

**Chepurny et al** (2013) Stimulation of Proglucagon Gene Expression by Human GPR119 in Enteroendocrine L-cell Line GLUTag. *Mol.Endocrinol.* **27** 1267. PMID: 23798572.

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