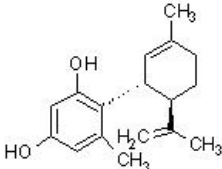


## Product datasheet

# O-1602, GPR55 agonist ab120407

### 1 References

#### Overview

<b>Product name</b>	O-1602, GPR55 agonist
<b>Description</b>	Potent, selective GPR55 agonist
<b>Biological description</b>	Analog of cannabidiol that is a potent agonist at the GPR55 cannabinoid receptor (EC <sub>50</sub> values are 13, >30000 and >30000 nM for GPR55, CB1 and CB2 receptors, respectively). Inhibits mouse osteoclast formation <i>in vitro</i> , stimulates osteoclast polarization and resorption, causes activation of Rho and ERK1/2, and inhibits human neutrophil migration.
<b>Purity</b>	> 98%
<b>General notes</b>	Sold under license from Virginia Commonwealth University.
<b>CAS Number</b>	317321-41-8
<b>Chemical structure</b>	

#### Properties

<b>Chemical name</b>	5-Methyl-4-((1 <i>R</i> ,6 <i>R</i> )-3-methyl-6-(prop-1-en-2-yl)cyclohex-2-enyl)benzene-1,3-diol
<b>Molecular weight</b>	258.36
<b>Molecular formula</b>	C <sub>17</sub> H <sub>22</sub> O <sub>2</sub>
<b>PubChem identifier</b>	45073499
<b>Storage instructions</b>	Store at -20°C (desiccating conditions).
<b>Solubility overview</b>	Supplied in methyl acetate (10 mg/ml)
<b>Handling</b>	<p>Providing storage is as stated on the product vial and the vial is kept tightly sealed, the product can be stored for up to 6 months. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour.</p> <p>Need more advice on solubility, usage and handling? Please visit our <a href="#">frequently asked questions (FAQ) page</a> for more details.</p>
<b>SMILES</b>	CC(=C)[C@@H]2CCC(C)=C[C@H]2c1c(C)cc(O)cc1O
<b>Source</b>	Synthetic

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES, NOT FOR USE IN HUMANS"

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