

## PS 48

Cat. No. COEC-117

Lot. No. (See product label)

### Introduction

**Description** PS 48 has been shown to be a PKB Kinase (phosphoinositide-dependent protein kinase-1, PDK1) activator ( $K_d = 10.3 \mu\text{M}$ ). Studies have indicated that this compound selectively binds to the PIF-binding pocket of PKB Kinase (PDK1). This is a distinct region separate from the ATP binding site.

**Applications** A phosphoinositide-dependent protein kinase-1 (PDK1) activator

**Synonyms** (Z)-5-(4-chlorophenyl)-3-phenylpent-2-enoic acid

### Product Information

<b>Form</b>	Solid
<b>CAS No.</b>	1180676-32-7
<b>Molecular Formula</b>	C <sub>17</sub> H <sub>15</sub> ClO <sub>2</sub>
<b>Molecular Weight</b>	286.76
<b>Boiling Point</b>	~444.1 °C at 760 mmHg (Predicted)
<b>Solubility</b>	Soluble in DMSO (>20 mg/ml), and ethanol (50 mM).
<b>Refractive Index</b>	1.57 (Predicted)
<b>Density</b>	~1.2 g/cm <sup>3</sup> (Predicted)