SZABO SCANDIC

Part of Europa Biosite

Produktinformation

- Forschungsprodukte & Biochemikalien
- Zellkultur & Verbrauchsmaterial
- Diagnostik & molekulare Diagnostik
- Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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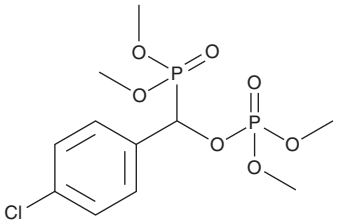
PRODUCT INFORMATION

SR 202

Item No. 21846

CAS Registry No.:	76541-72-5
Formal Name:	phosphoric acid, (4-chlorophenyl)(dimethoxyphosphinyl)methyl dimethyl ester
MF:	$C_{11}H_{17}ClO_7P_2$
FW:	358.7
Purity:	≥95%
UV/Vis.:	λ_{max}: 226 nm
Supplied as:	A crystalline solid
Storage:	-20°C
Stability:	≥2 years



Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Laboratory Procedures

SR 202 is supplied as a crystalline solid. A stock solution may be made by dissolving the SR 202 in water. The solubility of SR 202 in water is approximately 100 mM. We do not recommend storing the aqueous solution for more than one day.

Description

SR 202 is an antagonist of peroxisome proliferator-activated receptor γ (PPARγ) transcriptional activity induced by troglitazone (Item No. 71750; IC_{50} = 140 µM) but not of basal PPARγ activity.[1] It is selective for PPARγ, not affecting basal or agonist-induced transcriptional activity of PPARα, PPARβ, or the farnesoid X receptor (FXR). It inhibits PPARγ-dependent differentiation of preadipocyte 3T3-L1 cells in a dose-dependent manner. SR 202 (400 mg/kg) decreases the amount of weight gained and white adipose tissue mass accumulated by mice fed a standard or high-fat diet for ten weeks and is associated with lower PPARγ mRNA levels. It protects against high-fat diet-induced insulin resistance in wild-type mice and improves insulin sensitivity in *ob/ob* mice.

Reference

1. Rieusset, J., Touri, F., Michalik, L., *et al.* A new selective peroxisome proliferator-activated receptor γ antagonist with antiobesity and antidiabetic activity. *Mol. Endocrinol.* **16(11)**, 2628-2644 (2002).

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