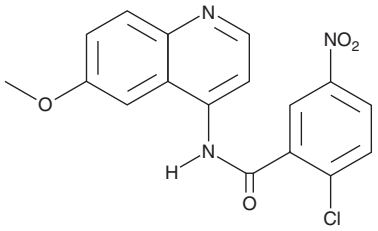
PRODUCT INFORMATION

SR 16832

Item No. 27632

CAS Registry No.:	2088135-12-8
Formal Name:	2-chloro-N-(6-methoxy-4-quinolinyl)-5-nitro-benzamide
MF:	$C_{17}H_{12}ClN_3O_4$
FW:	357.7
Purity:	≥98%
UV/Vis.:	λ_{max}: 233 nm
Supplied as:	A crystalline solid
Storage:	-20°C
Stability:	≥4 years



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

Laboratory Procedures

SR 16832 is supplied as a crystalline solid. A stock solution may be made by dissolving the SR 16832 in the solvent of choice, which should be purged with an inert gas. SR 16832 is soluble in the organic solvent DMSO.

Description

SR 16832 is a dual-site covalent antagonist of peroxisome proliferator-activated receptor γ (PPARγ).[1] It inhibits MRL20-induced allosteric activation of PPARγ in a reporter assay using HEK293T cells when used at a concentration of 5 µM. SR 16832 also reduces basal activity of PPARγ and inhibits binding of docosahexaenoic acid (DHA; Item No. 90310) to PPARγ in a time-resolved FRET (TR-FRET) assay.

Reference

1. Brust, R., Lin, H., Fuhrmann, J., *et al.* Modification of the orthosteric PPARγ covalent antagonist scaffold yields an improved dual-site allosteric inhibitor. *ACS Chem. Biol.* **12(4)**, 969-978 (2017).

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