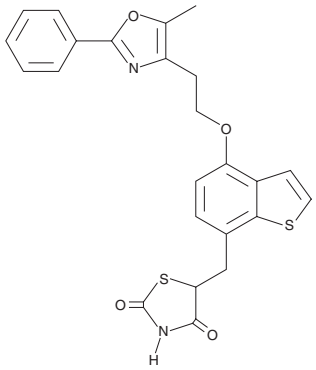
PRODUCT INFORMATION

Edaglitazone

Item No. 19117



CAS Registry No.:	213411-83-7
Formal Name:	5-[[4-[2-(5-methyl-2-phenyl-4-oxazolyl)ethoxy]benzo[b]thien-7-yl]methyl]-2,4-thiazolidinedione
Synonym:	BM 13.1258
MF:	$C_{24}H_{20}N_2O_4S_2$
FW:	464.6
Purity:	≥98%
UV/Vis.:	λ_{max}: 218, 271 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

Edaglitazone is supplied as a crystalline solid. A stock solution may be made by dissolving the edaglitazone in the solvent of choice, which should be purged with an inert gas. Edaglitazone is soluble in the organic solvent DMSO at a concentration of approximately 30 mg/ml.

Description

Edaglitazone is an agonist of peroxisome proliferator-activated receptor γ (PPARγ).[1] It activates PPARγ in a reporter assay using CV-1 cells expressing murine PPARγ2 when used at concentrations ranging from 0.1 to 1 µM. Edaglitazone (1, 5, and 25 µM) increases [^{3}H]2-deoxyglucose transport in the presence and absence of insulin and increases glycogen synthesis in the presence of insulin in soleus muscle strips isolated from obese rats.

Reference

1. Fürnsinn, C., Brunmair, B., Meyer, M., *et al*. Chronic and acute effects of thiazolidinediones BM13.1258 and BM15.2054 on rat skeletal muscle glucose metabolism. *Br. J. Pharmacol.* **128(6),** 1141-1148 (1999).

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