LKT Laboratories, Inc.

Rosiglitazone Maleate

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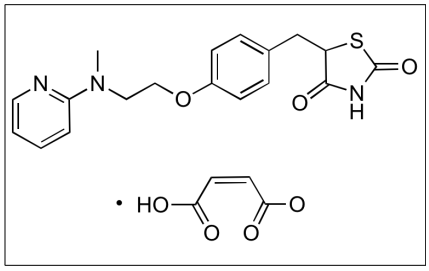
Product Information

Product ID R5772
CAS No. 155141-29-0
Chemical Name 5-[[4-[2-(Methyl-2-pyridinylamino)ethoxy]phenyl]methyl]-2,4-thiazolidinedione
Synonym BRL-49653c, Avandia



Formula $C_{18}H_{19}N_3O_3S \cdot C_4H_4O_4$
Formula Wt. 473.51
Melting Point 122-123°C
Purity ≥98%
Solubility Readily soluble in ethanol and in buffered aqueous solutions with a pH of 2.3.

Bulk quanitites available upon request

Product ID	Size
R5772	100 mg
R5772	500 mg
R5772	1 g
R5772	5 g

Store Temp Ambient
Ship Temp Ambient

Description Rosiglitazone is a thiazolidinedione insulin sensitizer that activates PPARγ, decreasing blood glucose and insulin levels. Rosiglitazone exhibits anti-diabetic, anti-inflammatory, antioxidative, anticancer, anti-angiogenic, antihypertensive, and anti-fibrotic activities. In vivo, rosiglitazone decreases LPS-stimulated production of TNF-α, IL-1β, and IL-6 as well as activity of myeloperoxidase; it also inhibits activation of NF-κB, preventing mastitis. In multiple myeloma cells, rosiglitazone suppresses expression of HIF-1α and IGF-1, decreases activation of Aky, and Erk, and inhibits cell viability and proliferation. This compound also inhibits endothelin-1-induced vasoconstriction in a NO-dependent manner in animal models of pulmonary arterial hypertension. Additionally, rosiglitazone prevents activation of AP-1, production of collagen, and differentiation in fibroblasts.

References

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