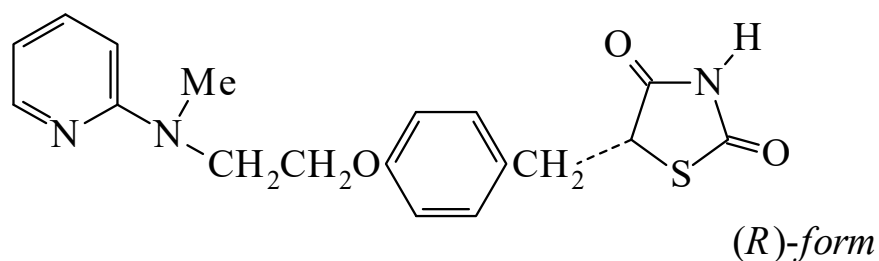




>>Entry Name: Rosiglitazone, INN

Synonym(s): 5-[[4-[2-Methyl-2-(pyridinylamino)ethoxy]phenyl]methyl]-2,4-thiazolidinedione, 9CI. Avandia. BRL 49653



CAS Registry Number: 122320-73-4

Related CAS Registry Numbers(s): 160706-78-5

Molecular Formula: C<sub>18</sub>H<sub>19</sub>N<sub>3</sub>O<sub>3</sub>S

Molecular Weight: 357.432

Accurate Mass: 357.114712

Percentage Composition: C 60.49%; H 5.36%; N 11.76%; O 13.43%; S 8.97%

Biological Use/Importance: Peroxisome proliferator activated receptor (PPAR-γ) agonist. Orally active antidiabetic agent

Development Status: Launched 1999 (US, Mexico). Worldwide 68th best selling pharmaceutical drug (as maleate) (\$0.70 bn) (GlaxoSmithKline and Bristol-Myers Squibb) (2000, Pharma Business)

>>Variant: (*R*)-form

CAS Registry Number: 163860-16-0

Molecular Formula: C<sub>18</sub>H<sub>19</sub>N<sub>3</sub>O<sub>3</sub>S

Molecular Weight: 357.432

Accurate Mass: 357.114712

Percentage Composition: C 60.49%; H 5.36%; N 11.76%; O 13.43%; S 8.97%

>>Derivative: Hydrochloride

CAS Registry Number: 148622-14-4

Melting Point: Mp 123-124°

Optical Rotation:  $[\alpha]_{\text{D}}^{20} +107.8$  (c, 0.5 in MeOH)

>>Variant: (*S*)-form

CAS Registry Number: 163860-15-9

Molecular Formula: C<sub>18</sub>H<sub>19</sub>N<sub>3</sub>O<sub>3</sub>S

Molecular Weight: 357.432

Accurate Mass: 357.114712

Percentage Composition: C 60.49%; H 5.36%; N 11.76%; O 13.43%; S 8.97%

Other Data: Pharmacol. active isomer

>>Derivative: Hydrochloride

Optical Rotation:  $[\alpha]_{\text{D}} -106$  (c, 0.6 in MeOH)

>>Variant: (±)-form

Molecular Formula: C<sub>18</sub>H<sub>19</sub>N<sub>3</sub>O<sub>3</sub>S

Molecular Weight: 357.432

Accurate Mass: 357.114712

Percentage Composition: C 60.49%; H 5.36%; N 11.76%; O 13.43%; S 8.97%

Physical Description: Cryst. (MeOH)

Melting Point: Mp 154-155°

>>Derivative: Maleate

Synonym(s): Rosiglitazone maleate, USAN

CAS Registry Number: 155141-29-0

References: