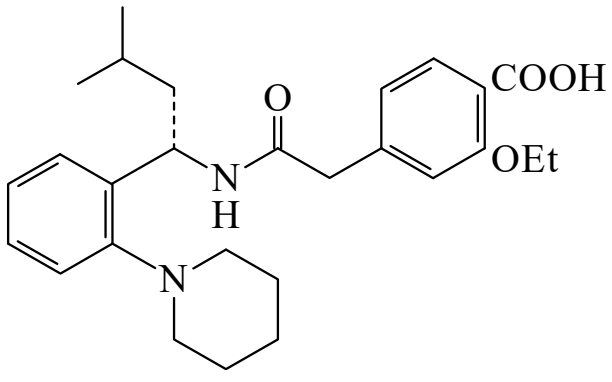
>>**Entry Name: Repaglinide,** BAN, INN, USAN
Synonym(s): 2-Ethoxy-4-[2-[[3-methyl-1-[2-(1-piperidinyl)phenyl]butyl]amino]-2-oxoethyl]benzoic acid, 9CI. Novonorm. Prandin. AGEE 388 ZW



(*S*)-*form*

Related CAS Registry Numbers(s): 108157-53-5 147770-06-7 147770-08-9 147852-25-3

Molecular Formula: $C_{27}H_{36}N_2O_4$
Molecular Weight: 452.592
Accurate Mass: 452.267508
Percentage Composition: C 71.65%; H 8.02%; N 6.19%; O 14.14%
Biological Use/Importance: Antihyperglycaemic agent used in the treatment of diabetes
Development Status: Approved by FDA (1997)
Calculated Log P Data: Log P 4.99 (uncertain value) (calc)

>>**Variant:** (*R*)-form

CAS Registry Number: 147852-26-4
Molecular Formula: $C_{27}H_{36}N_2O_4$
Molecular Weight: 452.592
Accurate Mass: 452.267508
Percentage Composition: C 71.65%; H 8.02%; N 6.19%; O 14.14%
Physical Description: Cryst. (toluene/petrol) + 0.4 H_2O
Melting Point: Mp 103-105° (as hydrate)
Optical Rotation: $[\alpha]_D^{20}$–6.5 (c, 1 in MeOH) (99.7% ee)

>>**Derivative:** Et ester

Molecular Formula: $C_{29}H_{40}N_2O_4$
Molecular Weight: 480.646
Accurate Mass: 480.298808
Percentage Composition: C 72.47%; H 8.39%; N 5.83%; O 13.31%
Physical Description: Cryst. (petrol/Me_2CO)
Melting Point: Mp 122-124°
Optical Rotation: $[\alpha]_D^{20}$–8.3 (c, 1 in MeOH)

>>**Variant:** (*S*)-form

CAS Registry Number: 135062-02-1
Molecular Formula: $C_{27}H_{36}N_2O_4$
Molecular Weight: 452.592
Accurate Mass: 452.267508
Percentage Composition: C 71.65%; H 8.02%; N 6.19%; O 14.14%
Physical Description: Cryst. (EtOH aq.)
Melting Point: Mp 130-131° (126-128°)
Optical Rotation: $[\alpha]_D^{20}$+6.97 (c, 0.975 in MeOH)
Other Data: Pharmacol. active isomer

>>**Variant:** (±)-form

CAS Registry Number: 135969-54-9
Molecular Formula: $C_{27}H_{36}N_2O_4$
Molecular Weight: 452.592
Accurate Mass: 452.267508
Percentage Composition: C 71.65%; H 8.02%; N 6.19%; O 14.14%
Physical Description: Cryst.
Melting Point: Mp 90-92°