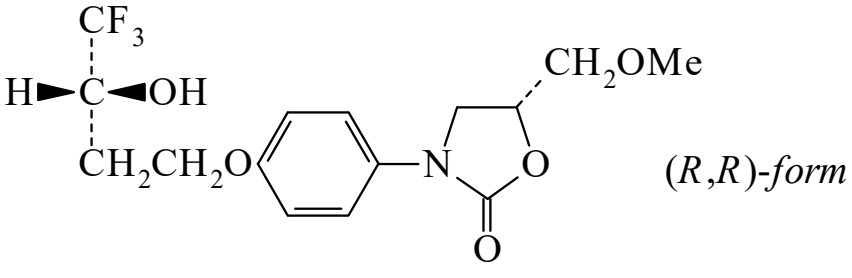
>>**Entry Name: Befloxatone,** INN
Synonym(s): 5-(Methoxymethyl)-3-[4-(4,4,4-trifluoro-3-hydroxybutoxy)phenyl]-2-oxazolidinone, 9CI



(*R*,*R*)-*form*

Related CAS Registry Numbers(s): 135968-58-0 135968-59-1 135968-67-1 135968-70-6

Molecular Formula: $C_{15}H_{18}F_3NO_5$
Molecular Weight: 349.306
Accurate Mass: 349.113708
Percentage Composition: C 51.58%; H 5.19%; F 16.32%; N 4.01%; O 22.90%
Use/Importance: Monoamine oxidase inhibitor. Potential antidepressant
Calculated Log P Data: Log P 1.06 (uncertain value) (calc)

>>**Variant:** (3*R*,5*R*)-form
Synonym(s): MD 370503

CAS Registry Number: 134564-82-2
Molecular Formula: $C_{15}H_{18}F_3NO_5$
Molecular Weight: 349.306
Accurate Mass: 349.113708
Percentage Composition: C 51.58%; H 5.19%; F 16.32%; N 4.01%; O 22.90%
Physical Description: Cryst. (EtOH/diisopropyl ether)
Melting Point: Mp 101°
Optical Rotation: $[\alpha]_D^{20}$–11.5 (c, 1 in CH_2Cl_2)
Other Data: Pharmacol. active isomer

>>**Variant:** (3*R*,5*S*)-form
Synonym(s): MD 230151

CAS Registry Number: 135859-17-5
Molecular Formula: $C_{15}H_{18}F_3NO_5$
Molecular Weight: 349.306
Accurate Mass: 349.113708
Percentage Composition: C 51.58%; H 5.19%; F 16.32%; N 4.01%; O 22.90%
Melting Point: Mp 123°
Optical Rotation: $[\alpha]_D^{20}$+59.2 (c, 1 in CH_2Cl_2)

>>**Variant:** (3*S*,5*R*)-form
Synonym(s): MD 370504

CAS Registry Number: 135859-19-7
Molecular Formula: $C_{15}H_{18}F_3NO_5$
Molecular Weight: 349.306
Accurate Mass: 349.113708
Percentage Composition: C 51.58%; H 5.19%; F 16.32%; N 4.01%; O 22.90%
Melting Point: Mp 121°
Optical Rotation: $[\alpha]_D^{20}$–59.7 (c, 1 in CH_2Cl_2)

>>**Variant:** (3*S*,5*S*)-form
Synonym(s): MD 230154

CAS Registry Number: 135859-18-6
Molecular Formula: $C_{15}H_{18}F_3NO_5$
Molecular Weight: 349.306
Accurate Mass: 349.113708
Percentage Composition: C 51.58%; H 5.19%; F 16.32%; N 4.01%; O 22.90%
Melting Point: Mp 100°
Optical Rotation: $[\alpha]_D^{20}$+9.9 (c, 1 in CH_2Cl_2)

References: