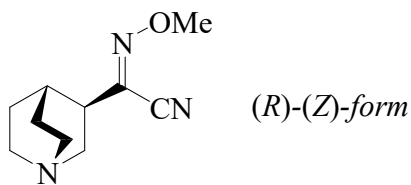




>>Entry Name: Sabcomeline, BAN, INN

Synonym(s): α -(Methoxyimino)-1-azabicyclo[2.2.2]octane-3-acetonitrile, 9Cl. 3-Quinuclidinylcyanomethoxime. SB 202026



CAS Registry Number: 149156-36-5

Related CAS Registry Numbers(s): 151433-82-8 151433-83-9 159912-57-9

Molecular Formula: $C_{10}H_{15}N_3O$

Molecular Weight: 193.248

Accurate Mass: 193.121512

Percentage Composition: C 62.15%; H 7.82%; N 21.74%; O 8.28%

Biological Use/Importance: Muscarinic M_1 partial agonist. Nootropic agent. Used in the treatment of senile dementia of the Alzheimer type

Development Status: Phase III clinical trials (1997)

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

CAS Registry Number: 159912-53-5

Molecular Formula: $C_{10}H_{15}N_3O$

Molecular Weight: 193.248

Accurate Mass: 193.121512

Percentage Composition: C 62.15%; H 7.82%; N 21.74%; O 8.28%

Other Data: Pharmacol. active isomer

>>Derivative: Hydrochloride

Synonym(s): Sabcomeline hydrochloride

CAS Registry Number: 159912-58-0

Melting Point: Mp 218-219°

Optical Rotation: $[\alpha]_D^{20} +25.3$ (c, 1.0 in EtOH) (>98% ee)

>>Derivative: Oxalate

Physical Description: Cryst. (MeOH/Me₂CO)

Melting Point: Mp 154-156°

Optical Rotation: $[\alpha]_D^{20} +14.4$ (c, 0.42 in EtOH)

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

CAS Registry Number: 159912-54-6

Molecular Formula: $C_{10}H_{15}N_3O$

Molecular Weight: 193.248

Accurate Mass: 193.121512

Percentage Composition: C 62.15%; H 7.82%; N 21.74%; O 8.28%

Physical Description: Oil

>>Derivative: Oxalate

Physical Description: Solid (MeOH/Me₂CO)

Melting Point: Mp 151-153°

Optical Rotation: $[\alpha]_D^{20} -13.4$ (c, 0.93 in EtOH)

>>Variant: ($\pm$)-(Z)-form

CAS Registry Number: 159912-56-8

Molecular Formula: $C_{10}H_{15}N_3O$

Molecular Weight: 193.248

Accurate Mass: 193.121512

Percentage Composition: C 62.15%; H 7.82%; N 21.74%; O 8.28%

>>Derivative: Hydrochloride

Physical Description: Cryst. (Me₂CO/Et₂O)

Melting Point: Mp 176-182°