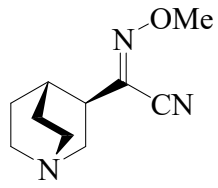
>>**Entry Name: Sabcomeline,** BAN, INN
Synonym(s): α-(Methoxyimino)-1-azabicyclo[2.2.2]octane-3-acetonitrile, 9CI. 3-Quinuclidinylcyanomethoxime. SB 202026



(*R*)-(*Z*)-*form*

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. ($MeOH/Me_2CO$)
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 ($MeOH/Me_2CO$)
Melting Point: Mp 151-153°
Optical Rotation: $[\alpha]_D^{20}$–13.4 (c, 0.93 in EtOH)

>>**Variant:** (±)-(*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. (Me_2CO/Et_2O)
Melting Point: Mp 176-182°