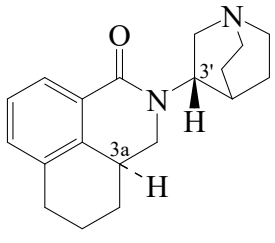
>>**Entry Name: Palonosetron,** INN
Synonym(s): 2-(1-Azabicyclo[2.2.2]oct-3-yl)-2,3,3*a*,4,5,6-hexahydro-1*H*-benz[*d,e*]isoquinolin-1-one, 9CI. 2,3,3*a*,4,5,6-Hexahydro-2-(3-quinuclidinyl)-1*H*-benz[*d,e*]isoquinolin-1-one. RS 25259-197



(3*aS,3'S*)-*form*

CAS Registry Number: 135729-60-1
Related CAS Registry Numbers(s): 135729-74-7 187033-23-4

Molecular Formula: $C_{19}H_{24}N_2O$
Molecular Weight: 296.411
Accurate Mass: 296.188863
Percentage Composition: C 76.99%; H 8.16%; N 9.45%; O 5.40%
Use/Importance: 5-HT_3-receptor antagonist. Antiemetic
Other Data: Palonosetron refers to the (3*aS*,3'*S*)-form

>>**Variant:** (3*aR*,3'*R*)-form

CAS Registry Number: 149653-99-6
Molecular Formula: $C_{19}H_{24}N_2O$
Molecular Weight: 296.411
Accurate Mass: 296.188863
Percentage Composition: C 76.99%; H 8.16%; N 9.45%; O 5.40%

>>**Derivative:** Hydrochloride

CAS Registry Number: 135729-75-8
Physical Description: Cryst. (EtOH/Et_2O)
Optical Rotation: $[\alpha]_D^{25}$+94.7 (c, 0.2 in H_2O)
Other Data: Mp >280°

>>**Variant:** (3*aR*,3'*S*)-form

CAS Registry Number: 135729-73-6
Molecular Formula: $C_{19}H_{24}N_2O$
Molecular Weight: 296.411
Accurate Mass: 296.188863
Percentage Composition: C 76.99%; H 8.16%; N 9.45%; O 5.40%

>>**Derivative:** Hydrochloride

CAS Registry Number: 135755-51-0
Physical Description: Cryst. (EtOH)
Melting Point: Mp 272-274°
Optical Rotation: $[\alpha]_D^{25}$+80 (c, 0.2 in H_2O)

>>**Variant:** (3*aS*,3'*R*)-form

CAS Registry Number: 149654-00-2
Molecular Formula: $C_{19}H_{24}N_2O$
Molecular Weight: 296.411
Accurate Mass: 296.188863
Percentage Composition: C 76.99%; H 8.16%; N 9.45%; O 5.40%

>>**Derivative:** Hydrochloride

CAS Registry Number: 135729-76-9
Physical Description: Cryst. (EtOH/Et_2O)
Melting Point: Mp 275-276°
Optical Rotation: $[\alpha]_D^{25}$–67.6 (c, 0.3 in H_2O)

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