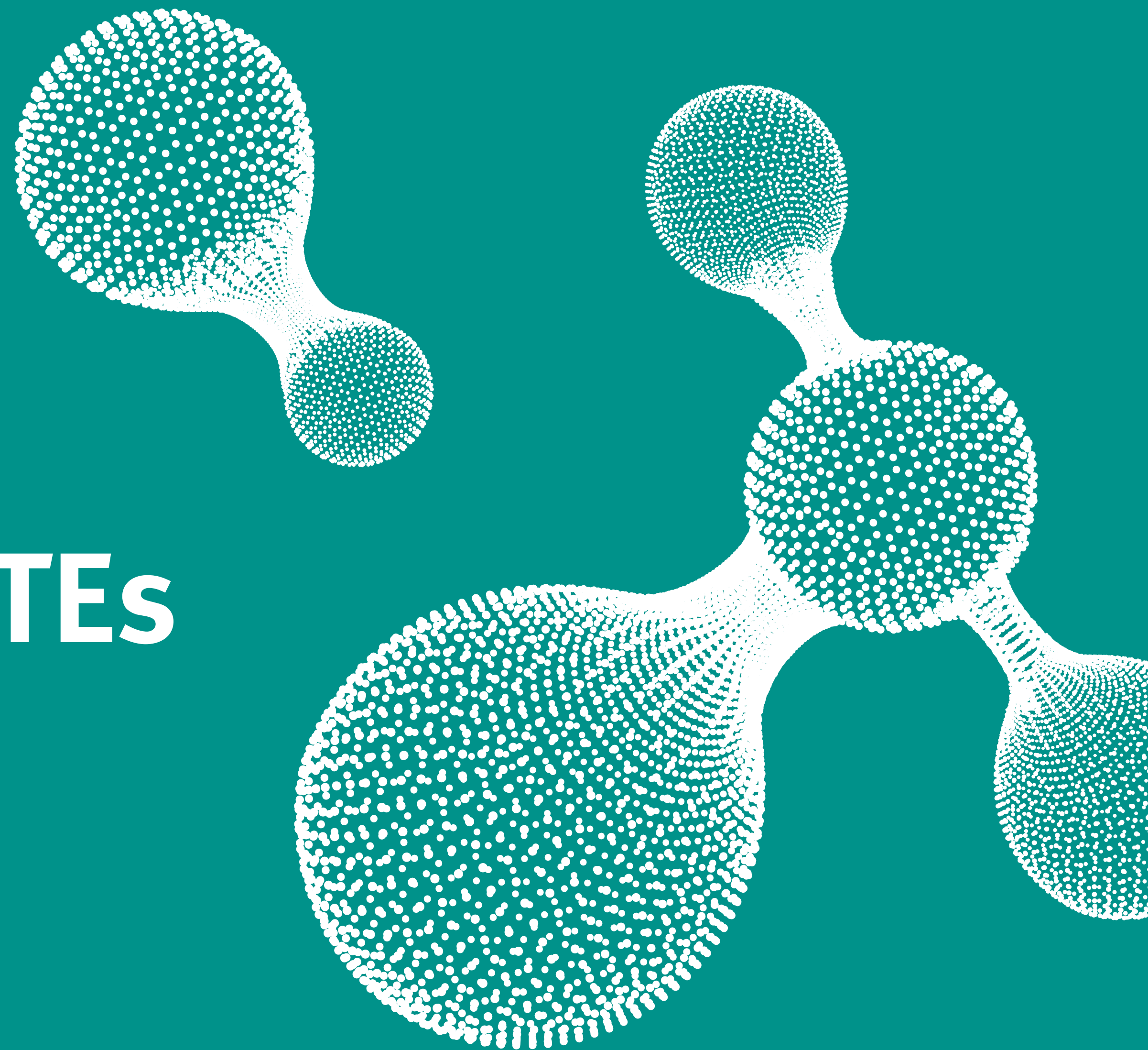




APIs & INTERMEDIATES CATALOGUE

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INTERMEDIATES

Adamantane derivatives

No.	Chemical name	Structural formula	Molecular formula	CAS No.	Key use	Stage	No.	Chemical name	Structural formula	Molecular formula	CAS No.	Key use	Stage
1.	1 - Adamantyl methyl ketone (1 - Acetyladamantane)		C ₁₂ H ₁₈ O	[1660-04-4]	Rimantadine hydrochloride	C	10.	1,3 - Dihydroxyadamantane (1,3 - Adamantanediol)		C ₁₂ H ₁₆ O ₂	[5001-18-3]		L
2.	2 - Adamantanone		C ₁₀ H ₁₄ O	[700-58-3]		C	11.	1 - Adamantaneacetic acid (1 - Adamantylacetic acid)		C ₁₂ H ₁₈ O ₂	[4942-47-6]		P
3.	2 - Adamantanol (2 - Hydroxyladamantane)		C ₁₀ H ₁₆ O	[700-57-2]		P	12.	1 - Adamantanemethanol (1 - Adamantylmethanol)		C ₁₁ H ₁₈ O	[770-71-8]	Rimantadine hydrochloride	P
4.	1,3 - Dimethyladamantane		C ₁₂ H ₂₀ O	[702-79-4]	Memantine hydrochloride	C	13.	1 - Adamantaneethanol [2 - (1 - Adamantylethanol)]		C ₁₂ H ₂₀ O	[6240-11-5]		P
5.	2 - Aminoadamantane hydrochloride		C ₁₀ H ₁₇ N·HCl	[10523-68-9]		P	14.	1 - Acetylamido - 3,5 - dimethyladamantane		C ₁₄ H ₂₃ NO	[19982-07-1]	Memantine hydrochloride	L
6.	3 - Amino - 1 - hydroxy - adamantane		C ₁₀ H ₂₀ NO	[702-82-9]	Vildagliptin	C	15.	Dimethyl - 5 - hydroxy - 1,3 - Adamantane dicarboxylate		C ₁₄ H ₂₀ O ₅	[213274-64-7]		P
7.	1 - Acetylamidoadamantane		C ₁₂ H ₁₉ NO	[880-52-4]		L	16.	S-Rimantadine		C ₁₂ H ₂₁ N	[887336-06-3]		P
8.	1 - Chloro - 3,5 - dimethyladamantane		C ₁₂ H ₁₉ Cl	[707-36-8]	Memantine hydrochloride	C	17.	R-Rimantadine		C ₁₂ H ₂₁ N	[887336-05-2]		P
9.	1 - Hydroxy - 3,5 - dimethyladamantane		C ₁₂ H ₂₀ O	[707-36-9]	Memantine hydrochloride	C							

C – Commercial, P – Pilot, L – Laboratory

Quinuclidine derivatives

No.	Chemical name	Structural formula	Molecular formula	CAS No.	Key use	Stage	No.	Chemical name	Structural formula	Molecular formula	CAS No.	Key use	Stage
1.	3-Quinuclidinone hydrochloride		C ₇ H ₁₁ NO	[1193-65-3]	Aceclidine Azasetron Cevimeline Acridinium Mequitazine Quifenadine	C	8.	S – (–) – 3 – Aminoquinuclidine dihydrochloride up to 99.5%		C ₇ H ₁₄ N ₂ ·2HCl	[119904 – 90 – 4]	Palonosetron	C
2.	3-Carbethoxyquinuclidine		C ₁₀ H ₁₇ NO ₂	[6238 – 33 – 1]	Quifenadine	C	9.	3-hydroxymethyl quinuclidine hydrochloride		C ₈ H ₁₅ NO·HCl	[79221-75-3]		L
3.	3-Quinuclidinol		C ₇ H ₁₃ NO	[1619 – 34 – 7]	Aceclidine Quinupramine Acridinium	C	10.	R-3-hydroxymethyl quinuclidine hydrochloride		C ₈ H ₁₅ NO·HCl	Free base [138874-55-2]		L
4.	S – (+) – 3 – Quinuclidinol ee 99.5%		C ₇ H ₁₃ NO	[34583 – 34 – 1]		P	11.	S-3-hydroxymethyl quinuclidine hydrochloride		C ₈ H ₁₅ NO·HCl	Free base [88644-21-7]		L
5.	R – (–) – 3 – Quinuclidinol ee 99.9%		C ₇ H ₁₃ NO	[25333 – 42 – 0]	Solifenacin Acridinium	C	12.	3-aminomethyl-quinuclidine dinedihydrochloride		C ₈ H ₁₆ N ₂ ·2HCl	[865887-14-5]		L
6.	3 – Aminoquinuclidine dihydrochloride		C ₇ H ₁₄ N ₂ ·2HCl	[6530 – 09 – 2]		C	13.	S-3-aminomethyl-quinuclidine dihydrochloride		C ₈ H ₁₆ N ₂ ·2HCl			L
7.	R – (+) – 3 – Aminoquinuclidine dihydrochloride up to 99.5%		C ₇ H ₁₄ N ₂ ·2HCl	[123536 – 14 – 1]		P	14.	R-3-aminomethyl-quinuclidine dihydrochloride		C ₈ H ₁₆ N ₂ ·2HCl			L

C – Commercial, P – Pilot, L – Laboratory

DRUG SUBSTANCES (APIs)

No.	Chemical name	Therapeutic category	Pharmacopoeia	CAS No.	Stage	No.	Chemical name	Therapeutic category	Pharmacopoeia	CAS No.	Stage
1.	Amantadine hydrochloride (ASMF available)	Antiviral (Influenza A); Antiparkinsonian; treatment of drug-induced extrapyramidal reactions	Ph. Eur. (CEP) USP	[665 – 66 – 7]	C	6.	Nitrofurantoin monohydrate (ASMF available)	Antibacterial Vet: Antibacterial	Ph. Eur.	[17140 – 81 – 7] [monohydrate]	C
2.	Vildagliptin (ASMF available)	Antidiabetic	Non – pharmacopoeial	[274901-16-5]	C	7.	Nitrofurantoin Macrocrystalline (ASMF in development)	Antibacterial Vet: Antibacterial	USP	[67 – 20 – 9] [anhydrous]	L
3.	Chlorobutanol hemihydrate (ASMF and CEP available)	Analgesic (dental)	Ph. Eur. (CEP)	[6001 – 64 – 5]	C	8.	Phenazepam (ASMF available)	Tranquillisers	Non – pharmacopoeial	[51753 – 57 – 2]	C
4.	Furazidin (Furagin®) (ASMF available)	Antimicrobials	Non – pharmacopoeial	[1672 – 88 – 4]	C	9.	Rimantadine hydrochloride(ASMF available) Pure enantiomers available	Antiviral	USP	[1501 – 84 – 4] [hydrochloride]; [13392 – 28 – 4] [base]	C
5.	Memantine hydrochloride (ASMF available)	Anti-Dementia Drug	USP	[41100 – 52 – 1]	C						



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