

**API PRODUCT PORTFOLIO**

PRODUCT	INDICATION	API MICRONIZED	CEP/DMF
<b>Arformoterol tartrate<sup>P</sup> polymorph A and D</b>	COPD	√	US-CN DMF
<b>Formoterol fumarate</b>	Asthma and COPD	√	CEP/US-JP-KR-CN-RU DMF
<b>Glycopyrronium bromide<sup>P</sup></b>	COPD	√	CEP/US-CN-KR-RU DMF
<b>Indacaterol maleate<sup>P</sup></b>	Asthma and COPD	√	EU/US-KR-RU DMF
<b>Salmeterol xinafoate<sup>P</sup></b>	Asthma and COPD	√	CEP/US-CN-KR DMF
<b>Tiotropium bromide monohydrate</b>	COPD	√	CEP/US-CN DMF
<b>Vilanterol trifenate</b>	Asthma and COPD	√	EU/US DMF

**API PRODUCT PIPELINE**

PRODUCT	INDICATION	SAMPLES	TECHNICAL PACKAGE	VALIDATION BATCH	DMF
<b>Acclidinium bromide</b>	COPD	√	√	√	Q4 2021
<b>Indacaterol acetate</b>	Asthma	Q4 2021	Q2 2022	Q3 2022	Q2 2023
<b>Olodaterol<sup>P</sup></b>	COPD	√	√	√	Q1 2023
<b>Revefenacin</b>	COPD	√	√	Q4 2021	Q3 2022
<b>Umeclidinium bromide</b>	COPD	√	√	Q4 2021	Q3 2022

CEP = Products with Certificate of Suitability / P = Patent applications/granted patents owned by Neuraxpharm

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THERAPEUTIC AREA	PRODUCT	INDICATION	API MICRONIZED	CEP/DMF
Antiallergics	Loratadine <sup>P</sup>	Allergy	√	JP DMF
Antiarrhythmics	Dronedaron <sup>P</sup>	Atrial fibrillation & general arrhythmia		DMF
Antiasthmatics, COPD and respiratory diseases	Arformoterol tartrate <sup>P</sup> polymorph A and D	COPD		US-CN DMF
	Formoterol fumarate	Asthma and COPD	√	CEP/US-JP-KR-CN-RU DMF
	Glycopyrronium bromide <sup>P</sup>	COPD	√	CEP/ US-CN-KR-RU DMF
	Indacaterol maleate <sup>P</sup>	Asthma and COPD	√	EU/US-KR-RU DMF
	Montelukast sodium <sup>P</sup>	Asthma, allergic & seasonal rhinitis		EU-JP DMF
	Salmeterol xinafoate <sup>P</sup>	Asthma and COPD	√	CEP/ US-CN-KR DMF
	Tiotropium Bromide	COPD	√	CEP/US-CN DMF
	Vilanterol Trifenatate	Asthma and COPD	√	EU/US DMF
Antiemetics	Aprepitant	Emesis		US DMF
	Granisetron base <sup>P</sup>	Emesis		US DMF
	Granisetron hydrochloride <sup>P</sup>	Emesis		CEP/ US-JP-KR DMF
	Ondansetron base <sup>P</sup>	Emesis	√	EU-US DMF
	Ondansetron hydrochloride <sup>P</sup>	Emesis	√	CEP/US DMF
Antifungals	Fluconazole <sup>P</sup>	Antifungal		CEP/US-KR DMF
Antihypertensive	Carvedilol <sup>P</sup>	Hypertension, angina, heart failure		JP DMF
	Clevidipine <sup>P</sup>	Hypertension		US DMF
	Enalapril maleate <sup>P</sup>	Hypertension		CEP/KR DMF
	Imidapril	Hypertension		EU DMF
	Nitrendipine	Hypertension	√	CEP/DMF
Antimigrainics	Eletriptan HBr <sup>P</sup>	Migraine	√	JP DMF
	Rizatriptan benzoate <sup>P</sup>	Migraine	√	EU-US DMF
	Zolmitriptan <sup>P</sup>	Migraine	√	EU-US DMF
Antiparkinson	Tetrabenazine	Huntington's disease chorea and Tardive dyskinesia		EU-US DMF
Antipsychotics	Asenapine maleate <sup>P</sup>	Schizophrenia and acute mania	√	JP DMF
	Olanzapine <sup>P</sup>	Schizophrenia, psychosis		EU-US- DMF
	Quetiapine hemifumarate <sup>P</sup>	Schizophrenia, psychosis		JP-KR DMF
	Risperidone <sup>P</sup>	Schizophrenia, psychosis	√	CEP/US-KR DMF
Anti-thrombotics	Prasugrel base <sup>P</sup>	Prophylaxis and therapy of thrombosis		EU DMF
	Rivaroxaban	Thrombosis. Stroke		DMF
Spasmolytic	Otilonium bromide	Irritable bowel syndrome		EU DMF

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THERAPEUTIC AREA	PRODUCT	INDICATION	SAMPLES	TECHNICAL PACKAGE	VALIDATION BATCH	DMF
Antiasthmatics, COPD and respiratory diseases	<b>Aclidinium bromide</b>	COPD	√	√	√	Q4 2021
	<b>Olodaterol<sup>P</sup></b>	COPD	√	√	√	Q1 2023
	<b>Indacaterol acetate</b>	Asthma	Q4 2021	Q2 2022	Q3 2022	Q2 2023
	<b>Revefenacin</b>	COPD	√	√	Q4 2021	Q3 2022
	<b>Umeclidinium bromide</b>	COPD	√	√	Q4 2021	Q3 2022
Antiparkinson	<b>Benserazide</b>	Parkinson's disease	√	√	Q4 2021	Q3 2022
Other disorders	<b>Tafamidis meglumine</b>	Transthyretin amyloidosis	√	√	√	Q1 2022

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