

# API Product Portfolio

## Particle Engineered APIs

Hovione has developed a range of particle engineered APIs with superior powder properties that will address the challenges of your formulation development.

### Corticosteroids

PRODUCT	ROUTE OF ADMINISTRATION	CAS NUMBER	CUSTOMIZED PARTICLE SIZE	REGULATORY STATUS
Beclomethasone Dipropionate Anhydrous	Inhalation  Nasal  Oral  Topical	5534-09-08	✓	
Beclomethasone Dipropionate Monohydrate	Inhalation  Nasal	77011-63-3		US DMF
Betamethasone Acetate	Ophthalmic  Injectable	987-24-6		US DMF
Betamethasone Disodium Phosphate	Ophthalmic  Injectable  Topical	151-73-5		US DMF, JP DMF
Fluticasone Furoate	Inhalation  Nasal	397864-44-7	✓	US DMF
Fluticasone Propionate	Inhalation  Nasal  Topical	80474-14-2	✓	CEP, US DMF, JP DMF, CN DMF
Halobetasol Propionate	Topical	66852-54-8	✓	US DMF
Hydrocortisone Aceponate	Topical	74050-20-7	✓	ASMF & VMF
Mometasone Furoate Anhydrous	Inhalation  Nasal  Topical	83919-23-7	✓	CEP, US DMF, JP DMF
Mometasone Furoate Monohydrate	Inhalation  Nasal	141646-00-6	✓	CEP, US DMF, JP DMF

### LABA/LAMA

PRODUCT	ROUTE OF ADMINISTRATION	CAS NUMBER	CUSTOMIZED PARTICLE SIZE	REGULATORY STATUS
Acclidinium Bromide	Inhalation	320345-99-1	✓	US DMF
Glycopyrronium Bromide	Inhalation	51186-83-5	✓	US DMF
Salmeterol Xinafoate	Inhalation	94749-08-3	✓	CEP, US DMF
Indacaterol Maleate	Inhalation	312753-06-3	✓	DEV
Olodaterol Sulphate	Inhalation	869477-96-3	✓	DEV
Salbutamol	Inhalation	18559-94-9	✓	GMP, TECH PACK
Tiotropium Bromide Monohydrate	Inhalation	136310-93-5		DEV
Umeclidinium Bromide	Inhalation	869113-09-7	✓	DEV, TECH PACK
Vilanterol Trifenatate	Inhalation	503070-58-4	✓	GMP, TECH PACK

## Security of supply

Hovione provides the peace of mind of a high quality manufacturer who is a founding member of Rx-360 and has an unblemished regulatory track record.

## Antibiotics

PRODUCT	ROUTE OF ADMINISTRATION	CAS NUMBER	CUSTOMIZED PARTICLE SIZE	REGULATORY STATUS
Doxycycline Hyclate	Oral, Injectable	24390-14-5	✓	CEP, US DMF, JP DMF
Doxycycline Monohydrate	Oral	17086-28-1	✓	CEP, US DMF
Minocycline Base	Oral, Injectable	10118-90-8	✓	US DMF
Minocycline Hydrochloride	Oral, Injectable, Topical	13614-98-7		CEP, US DMF, JP DMF
Roxithromycin	Oral	80214-83-1	✓	CEP, JP DMF
Doxycycline Salts and amorphous	Inhalation, Oral, Topical	94088-85-4		DEV
Omadacycline	Oral, Injectable	389139-89-3		DEV
Sancycline Hydrochloride	Oral, Topical	6625-20-3		DEV
Sarecycline	Oral	1035654-66-0		DEV

## Antiparasitic

PRODUCT	ROUTE OF ADMINISTRATION	CAS NUMBER	CUSTOMIZED PARTICLE SIZE	REGULATORY STATUS
Ivermectin Human Grade	Oral, Topical	70288-86-7		CEP, US DMF, VMF

## Biopharmaceutical Excipients

PRODUCT	ROUTE OF ADMINISTRATION	CAS NUMBER	CUSTOMIZED PARTICLE SIZE	REGULATORY STATUS
DTPA (Pentatic Acid)	Injectable	67-43-6		GMP, TECH PACK
EDTA	Injectable	60-00-4		DEV, TECH PACK
Magnesium Lactate Trihydrate	Injectable	18917-93-6		DEV, TECH PACK
Polysorbate 80	Injectable	9005-65-6		DEV, TECH PACK
Sodium Carbonate	Injectable	497-19-8		DEV, TECH PACK

## All sites inspected and approved by FDA

With 60 years of stable supply and unblemished regulatory track record, our products are manufactured in several locations so guaranteeing security of supply. Local offices provide full sales and technical support in Europe, US, Japan, India and China.



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ENVIRONMENTALLY-FRIENDLY PAPER

