

TBD Pharmatech Products

1. Active pharmaceutical ingredients

Amrubicin

A third-generation synthetic anthracycline that acts as a topoisomerase II inhibitor and has been used in cancer treatment. Acts as a prodrug for the active metabolite, ambrucinol, which likely also plays a crucial role in its anti-cancer activity.

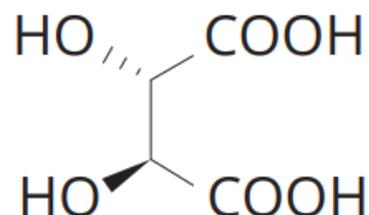
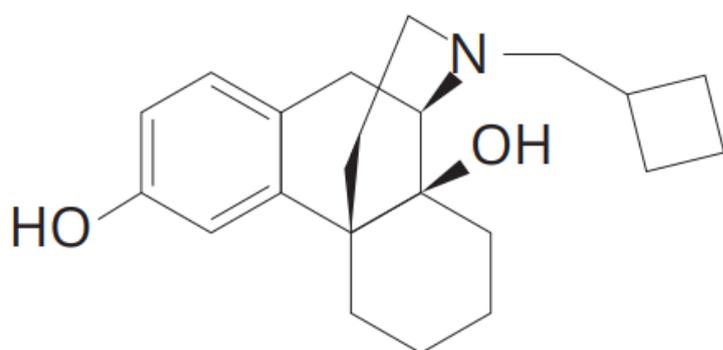
- ✓ Product type: API
- ✓ Product status: available upon request
- ✓ CAS: 110267-81-7
- ✓ Common indications: cancer treatment
- ✓ Drug class: anthracycline

Butorphanol tartrate

Butorphanol tartrate is a synthetic opioid analgesic and is used for the management of moderate to severe pain, as well as for sedation in certain medical procedures.

It is commonly used in both human and veterinary medicine. In veterinary medicine, it's often used for pre-anesthetic medication or for pain relief in dogs and cats. In human medicine, it's sometimes administered via intranasal spray or injectable forms. The tartrate salt form improves its solubility and stability, making it suitable for injectable or other formulations.

- ✓ Product type: API
- ✓ Product status: under development, ASMF in mid-2024
- ✓ CAS: 58786-99-5
- ✓ Common indications: pain management
- ✓ Drug class: opioid analgesic



Zoledronic acid

A medication to treat various bone diseases.

Available as research grade.

- ✓ Product type: API
- ✓ Product status: research grade
- ✓ CAS: 118072-93-8
- ✓ Synonyms: zoledronate
- ✓ Common indications: metabolic bone disease
- ✓ Drug class: biphosphonate

Antazoline hydrochloride

Hydrochloride form of antazoline, a first generation antihistamine primarily used in eye-drop formulations.

- ✓ Product type: API
- ✓ Product status: available upon request
- ✓ CAS: 2508-72-7
- ✓ Common indications: allergic reactions
- ✓ Drug class: antihistamine

Palmitoylethanolamide

Palmitoylethanolamide (PEA) is an endogenous fatty acid amide with a role as a lipid modulator. It exhibits several properties including anti-inflammatory, anti-nociceptive (pain-blocking), neuroprotective, and anticonvulsant effects.

- ✓ Product type: API
- ✓ Product status: research grade
- ✓ CAS: 544-31-0
- ✓ Synonyms: PEA, N-(2-Hydroxyethyl)hexadecanamide, palmidrol
- ✓ Common indications: inflammation, pain, hypertension
- ✓ Drug class: fatty acid amide

Antazoline phosphate

Phosphate salt of antazoline which is a first generation antihistamine primarily used in eye-drop formulations.

- ✓ Product type: API
- ✓ Product status: available upon request
- ✓ CAS: 154-68-7
- ✓ Common indications: allergic reactions

Rimantadine HCL

An antiviral drug that inhibits viral protein M2.

Available as research grade.

- ✓ Product type: API
- ✓ Product status: research grade
- ✓ CAS: 1501-84-4
- ✓ Synonyms: 1-(1-Adamantyl)ethylamine hydrochloride
- ✓ Common indications: viral infections
- ✓ Drug class: amine

2. Other compounds

- ✓ **Product type:** ADC payloads and linkers
- ✓ **Examples:**
 - MMAE (474645-27-7)
 - Maleimide-(CH₂)₅-Asp-Ile-Pro-Val-Ser-PAB-MMAE
 - Maleimidocaproyl-Val-Cit-PAB-MMAE (646502-53-6)
 - MMAF (745017-94-1)
 - Val-Cit-PAB-MMAF-Ome (863971-56-6)
 - MMAF ester free base (863971-12-4)
- ✓ **Common applications:** precision cancer treatment