

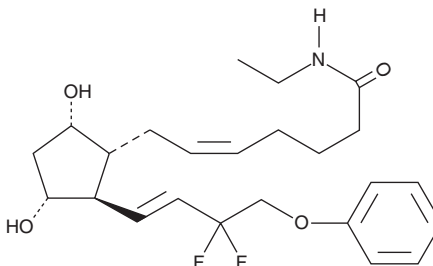
# PRODUCT INFORMATION



## Tafluprost ethyl amide

Item No. 9000843

**CAS Registry No.:** 1185851-52-8  
**Formal Name:** N-ethyl-9 $\alpha$ ,11 $\alpha$ -dihydroxy-15,15-difluoro-16-phenoxo-17,18,19,20-tetranor-prosta-5Z,13E-dien-1-amide  
**Synonyms:** Taf EA, Tafluprost EA  
**MF:** C<sub>24</sub>H<sub>33</sub>F<sub>2</sub>NO<sub>4</sub>  
**FW:** 437.5  
**Purity:**  $\geq 98\%$   
**Supplied as:** A solution in ethanol  
**Storage:** -20°C  
**Stability:**  $\geq 1$  year



Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

### Laboratory Procedures

Tafluprost ethyl amide is supplied as a solution in ethanol. To change the solvent, simply evaporate the tafluprost ethyl amide under a gentle stream of nitrogen and immediately add the solvent of choice. Solvents such as ethanol, DMSO, and dimethyl formamide purged with an inert gas can be used. The solubility of tafluprost ethyl amide in these solvents is approximately 30 mg/ml.

### Description

Tafluprost ethyl amide is an analog of the prostaglandin F<sub>2 $\alpha$</sub>  (PGF<sub>2 $\alpha$</sub> ) receptor (FP receptor) agonist tafluprost (Item No. 10005439).<sup>1</sup> Formulations containing tafluprost ethyl amide have been used in cosmetic products.

### Reference

1. Krupa, M., Chodyński, M., Ostaszewski, A., et al. A novel convergent synthesis of the potent antiglaucoma agent tafluprost. *Molecules* **22**(2), 217 (2017).

#### WARNING

THIS PRODUCT IS FOR RESEARCH USE - NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE. It is the responsibility of the purchaser to determine suitability for other applications.

#### SAFETY DATA

This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. Before use, the user must review the complete Safety Data Sheet, which has been sent via email to your institution.

#### WARRANTY AND LIMITATION OF REMEDY

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