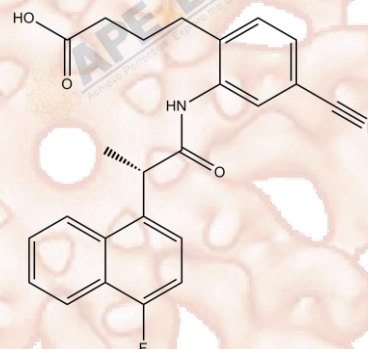


Product Data Sheet

ONO-AE3-208

| | |
|------------------|--|
| Cat. No.: | A3684 |
| CAS No.: | 402473-54-5 |
| Formula: | C ₂₄ H ₂₁ FN ₂ O ₃ |
| M.Wt: | 404.43 |
| Synonyms: | AE 3-208; ONO AE3 208 |
| Target: | GPCR/G protein |
| Pathway: | EP4 Receptor |
| Storage: | Store at -20°C |



Solvent & Solubility

≥40.4 mg/mL in DMSO with gentle warming; insoluble in H₂O; ≥8.1 mg/mL in EtOH with gentle warming and ultrasonic

In Vitro

| | Solvent | Mass | | |
|---------------------------|---------------|-----------|------------|------------|
| | | 1mg | 5mg | 10mg |
| Preparing Stock Solutions | Concentration | | | |
| | 1 mM | 2.4726 mL | 12.3631 mL | 24.7262 mL |
| | 5 mM | 0.4945 mL | 2.4726 mL | 4.9452 mL |
| | 10 mM | 0.2473 mL | 1.2363 mL | 2.4726 mL |

Please refer to the solubility information to select the appropriate solvent.

Biological Activity

Shortsummary

EP4 receptor antagonist, high affinity and selective

IC₅₀ & Target

In Vitro

Cell Viability Assay

Preparation method:

In Vivo

Animal experiment

Applications:

Product Citations

1. Lu JW, Wang WS, et al. "Activation of prostaglandin EP4 receptor attenuates the induction of cyclooxygenase-2 expression by EP2 receptor activation in human amnion fibroblasts: implications for parturition." FASEB J. 2019 Jul;33(7):8148-8160.PMID:30917001
2. Jin, Pengfeng, et al. "Lactobacillus fermentum ZYL0401 Attenuates Lipopolysaccharide-Induced Hepatic TNF- α Expression and Liver Injury via an IL-10-and PGE 2-EP4-Dependent Mechanism." (2015): e0126520.PMID:25978374

See more customer validations on www.apexbt.com.

References

Caution

FOR RESEARCH PURPOSES ONLY.

NOT FOR HUMAN, VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

Specific storage and handling information for each product is indicated on the product datasheet. Most APExBIO products are stable under the recommended conditions. Products are sometimes shipped at a temperature that differs from the recommended storage temperature. Shortterm storage of many products are stable in the short-term at temperatures that differ from that required for long-term storage. We ensure that the product is shipped under conditions that will maintain the quality of the reagents. Upon receipt of the product, follow the storage recommendations on the product data sheet.

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