

# Product Data Sheet

## Tetracaine HCl

|           |                                                                    |
|-----------|--------------------------------------------------------------------|
| Cat. No.: | B1413                                                              |
| CAS No.:  | 136-47-0                                                           |
| Formula:  | C <sub>15</sub> H <sub>24</sub> N <sub>2</sub> O <sub>2</sub> ·HCl |
| M.Wt:     | 300.82                                                             |
| Synonyms: |                                                                    |
| Target:   | Membrane Transporter/Ion Channel                                   |
| Pathway:  | Calcium Channel                                                    |
| Storage:  | Store at -20°C                                                     |



## Solvent & Solubility

≥10.85 mg/mL in DMSO; ≥30.2 mg/mL in H<sub>2</sub>O; ≥9.5 mg/mL in EtOH

| In Vitro | Preparing Stock Solutions | Mass                     |           |            |            |
|----------|---------------------------|--------------------------|-----------|------------|------------|
|          |                           | Solvent<br>Concentration | 1mg       | 5mg        | 10mg       |
|          |                           |                          |           |            |            |
|          |                           |                          | 1 mM      | 5 mM       | 10 mM      |
|          |                           |                          | 3.3242 mL | 16.6212 mL | 33.2425 mL |
|          |                           |                          | 0.6648 mL | 3.3242 mL  | 6.6485 mL  |
|          |                           |                          | 0.3324 mL | 1.6621 mL  | 3.3242 mL  |

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

## Biological Activity

|                           |                                      |  |
|---------------------------|--------------------------------------|--|
| Shortsummary              | Anaesthetic and allosteric inhibitor |  |
| IC <sub>50</sub> & Target |                                      |  |
| In Vitro                  | Cell Viability Assay                 |  |
|                           | Preparation method:                  |  |
| In Vivo                   | Animal experiment                    |  |
|                           | Applications:                        |  |

## Product Citations

See more customer validations on [www.apexbt.com](http://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 APEx BIO 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.*

**APEx BIO Technology**

**[www.apexbt.com](http://www.apexbt.com)**

7505 Fannin street, Suite 410, Houston, TX 77054.

Tel: +1-832-696-8203 | Fax: +1-832-641-3177 | Email: [info@apexbt.com](mailto:info@apexbt.com)

