

FT-31496A

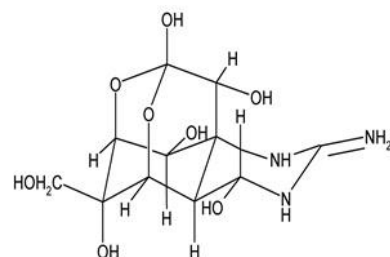


Tetrodotoxin

Reversible blocking reagent of the excitable sodium channels

Product Information

Name :	Tetrodotoxin (TTX) Octahydro-12-(hydroxymethyl)-2-imino-5,9:7,10a-dimethano-10aH-[1,3]dioxocino[6,5-d]pyrimidine-4,7,10,11,12-pentol. CAS [4368-28-9]
Catalog Number :	FP-31496A, 1mg citrate free FP-AM332A, 1mg with citrate
Molecular Weight :	MW= 319.28
Solubility:	Soluble in water and ether; Insoluble in organic solvents.



Technical information

- Purity: >98%
- Storage before reconstitution: desiccated
Lyophilized powder can be stored at room temperature for several weeks.
For longer periods, it should be stored at -20°C.
Storage and stability after reconstitution:
Up to one week at 4°C or six months at -20°C.
- Reconstitution: Aqueous buffer (citrate free: acidic buffer pH 4.8)
Avoid alkaline or strongly acidic solution
- Caution:
Please keep our products under -20°C for long-term storage
For Research Use Only
Not For Human Use or Veterinary Use or Therapeutic Use
Not fully tested
- Biological Activity: Tetrodotoxin reversibly blocks the excitable volt-gated sodium channels. It is used widely to study excitable membranes, including nerves, skeletal cells, cardiac cells.
- Toxicity: Oral Mouse LD50: 334ug/kg
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Intravenous Mouse, LD50:7.3ug/kg

References

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Hille, B. (2001) Ion Channels in Excitable Membranes (Third Edition) Chapter 3.

Related Products

- Phalloidin FluoProbes 647H, BZ9630
- Transferrin (human)-CF568, IWU470
- A-23187 Free Acid, 28362A

Ordering information

Catalog size quantities and prices may be found at <http://www.fluoprobes.com>

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