

Avertin (Concentrate)

Cat. No.: A1511180 | Pack size: 5 mL / 10 mL | Storage: Store at 2-8°C, Protected from light

Overview

This product is a sterile anesthetic with the active ingredient Tribromoethanol (TBE, also known as Avertin). It is a non-controlled substance. This reagent has been recommended for anesthesia in surgical procedures related to transgenic mouse breeding and is suitable for use in pregnant mice without affecting the pregnancy process or fetal viability. This concentrated solution has also been used by some customers for canine surgical anesthesia.

This product is supplied as a high-concentration stock solution (1 g/mL). Customers may dilute it before use. For mouse experiments, it can be diluted 1:40 with physiological saline.

Precautions

1. Before use, always check the expiration date on the label and observe whether the solution has changed color or developed crystals. If crystals have formed, dissolve them in a 37°C water bath. Perform a pilot experiment before formal studies.
2. For research use only (non-clinical research).

Key Features

- Supplied as BioReagent, sterile, 1.0 g/mL grade material for research workflows.
- Designed for use in In Vivo Imaging, Nude Mouse Tumorigenicity Assay applications.
- Available pack size: 5 mL / 10 mL.
- Storage condition: Store at 2-8°C, Protected from light.
- Related name(s): Avertin | Tribromoethanol.
- For research use only; not intended for clinical diagnosis, treatment, food, or household applications.

Contents & Storage

Cat. No.	Component / Product	Size	Storage
A1511180	Avertin (Concentrate)	5 mL / 10 mL	Store at 2-8°C, Protected from light

Shelf life: Store at 2-8°C long term (12 months). Store in the dark.

Shipping: Wet ice This product requires cold chain shipping. Ground and other economy services are not available.

Product Information

Item	Description
Cat. No.	A1511180
Product Name	Avertin (Concentrate)
Specifications & Purity	BioReagent, sterile, 1.0 g/mL
Synonyms	Avertin Tribromoethanol
Pack Size	5 mL / 10 mL
Storage	Store at 2-8°C, Protected from light
Stability & Storage	Store at 2-8°C long term (12 months). Store in the dark.
Shipped In	Wet ice This product requires cold chain shipping. Ground and other economy services are not available.
Recommended Application	In Vivo Imaging, Nude Mouse Tumorigenicity Assay
CAS	75-80-9
Molecular Weight	282.76
EC Number	200-903-1
PubChem CID	6400
Citations	38

Specifications

Parameter	Value
Synonyms	Avertin Tribromoethanol
Specifications & Purity	BioReagent, sterile, 1.0 g/mL
Stability And Storage	Store at 2-8°C long term (12 months). Store in the dark.

Parameter	Value
Storage	Store at 2-8°C, Protected from light
Shipped In	Wet ice This product requires cold chain shipping. Ground and other economy services are not available.

Names & Identifiers

Identifier	Value
Isomeric SMILES	<chem>C(C(Br)(Br)Br)O</chem>
WGK Germany	3
RTECS	KM3675000
PubChem CID	6400
Molecular Weight	282.76
Reaxys-Rn	1733249

Chemical and Physical Properties

Property	Value
Sensitivity	Light-sensitive
Boil Point(°C)	94°C/11mmHg
Melt Point(°C)	73°C-83.0 °C

Materials Required But Not Supplied

Item	Recommended Specification	Purpose
Personal protective equipment	Lab coat, disposable gloves, eye protection	Safe handling and contamination control
Cotton swab, brush, syringe or applicator	As required by the experimental procedure	Application or administration

Item	Recommended Specification	Purpose
Physiological saline / PBS	As required by the protocol	Dilution or sample preparation
Timer and animal handling tools	Suitable for the animal model	Controlled operation and observation

Safety & Precautions

- Before use, always check the expiration date on the label and observe whether the solution has changed color or developed crystals. If crystals have formed, dissolve them in a 37°C water bath. Perform a pilot experiment before formal studies.
- For research use only (non-clinical research).
- Wear a lab coat, disposable gloves and eye protection during handling.
- Use only under an approved research protocol and in accordance with applicable institutional guidelines.

Quality Control

QC Item	Method	Acceptance Criteria
Visual inspection on receipt	Confirm that the container is intact and the label, lot number, pack size and expiry information are legible.	No leakage, visible damage or labeling inconsistency.
Product identity and specification	Check the product label and lot-specific COA against the product information in this manual.	Product name, Cat. No., grade/purity and storage condition match the ordered product.
Appearance / usability	Inspect before use according to the source precautions and applicable laboratory SOPs.	No abnormal precipitation, discoloration, contamination or degradation that would interfere with the intended assay.
Crystal formation check	Observe before use; if crystals are present, dissolve in a 37°C water bath before pilot testing.	Solution is clear and suitable for pilot experiment before formal studies.

Troubleshooting

Issue	Possible Causes	Corrective Action
Crystals observed before use	Low-temperature storage or prolonged storage	Dissolve in a 37°C water bath as specified in the source precautions and perform a pilot experiment before formal use.
Unexpected experimental response	Dilution, dose or animal model differs from the experimental SOP	Prepare the working solution according to the protocol and validate with a pilot experiment.
Color change or abnormal appearance	Expired or degraded reagent	Do not use; check label expiry and lot-specific documentation.

Recommended Applications

In Vivo Imaging, Nude Mouse Tumorigenicity Assay

Contact & Global Offices

Whether you have a technical question, need help with a quotation, or want to inquire about an order, please contact Aladdin Scientific through the offices below.

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Limitations & Disclaimer

- For Research Use Only (RUO). Not for use in human or animal diagnostics, therapeutics, food, cosmetic, or household applications unless specifically authorized by applicable documentation.
- This product is not a CE-marked in vitro diagnostic device under IVDR (EU) 2017/746 and is not an FDA-cleared or FDA-approved diagnostic product.
- Where any product or component is classified as hazardous under CLP (EC) 1272/2008 or OSHA HCS (29 CFR 1910.1200), users must follow the current SDS, product label and local regulations.



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Product Instructions
For Research Use Only
www.aladdinsci.com

- Performance depends on sample type, sample condition, storage, handling, and operator technique. Users are responsible for validating suitability for their intended research application.
- Aladdin product labels, SDS, COA, and approved specifications take precedence over this document. If any discrepancy is identified, contact Aladdin Scientific before use.