

# Dehydrotomatine

Cat. No. ALK-0116

Lot. No. (See product label)



## Product Name

Dehydrotomatine

## CAS No.

157604-98-3

## Description

Dehydrotomatine is a steroidal glycoalkaloid (SGA).  $\alpha$ -tomatine and Dehydrotomatine accumulate in the mature green fruits, leaves, and flowers of tomatoes (*Solanum lycopersicum*) and function as defensive compounds against pathogens and predators. SGAs show toxic effects on fungi, bacteria, insects, and animals.

## Structural Formula

Dehydrotomatine

## MW

1032.17

## MF

C<sub>50</sub>H<sub>81</sub>NO<sub>21</sub>

## Source

Plants > Solanaceae > *Lycopersicon esculentum* Miller

## IC<sub>50</sub> & Target

L-type calcium channel

## Shipping

Room temperature in continental US; may vary elsewhere.

## SMILES

```
C[C@@]12[C@]3([H])[C@](O[C@@]4(CC[C@H](C)CN4)[C@H]3C)([H])C[C@@]1([H])[C@@]5([H])[C@]([C@@]6(C(C[C@@H](O[C@]7([H])O[C@@H]([C@H](O[C@@]8([H])[C@@H]([C@H]([C@H](O)[C@@H](CO)O8)O[C@@]9([H])[C@@H]([C@H]([C@H](O)CO9)O)O)[C@]10([H])O[C@@H]([C@@H](O)[C@H](O)[C@H]10O)CO)[C@H](O)[C@H]7O)CO)CC6)=CC5C)([H])CC2
```

## Storage

Please store the product under the recommended conditions in the Certificate of Analysis.

**FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY**