

## Wasabi Receptor Toxin TFA

## Chemical Properties

CAS No. :

Formula:

Molecular Weight:

Keep away from moisture

Storage:

Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.

## Biological Description

Description	Wasabi Receptor Toxin TFA (WaTx TFA) is the TFA salt form of Wasabi Receptor Toxin. This compound functions as a cell-permeable scorpion toxin and serves as an activator of the TRPA1 ion channel (TRPA1 ion channel), exhibiting its potency with an EC50 at the nanomolar level. It effectively prolongs the channel opening time while reducing Ca <sup>2+</sup> permeability. Additionally, WaTx TFA induces thermal hyperalgesia and mechanical allodynia in rats without causing neurogenic inflammation.
Targets(IC50)	TRP/TRPV Channel

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