

DALDA TFA

Chemical Properties

CAS No. :

Formula: C30H45N9O5.xC2HF3O2

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 | DALDA TFA is a potent, μ -opioid receptor agonist exhibiting high selectivity and an affinity constant (K_i) of 1.69 nM. It demonstrates antinociceptive properties and influences respiratory functions [1]. |
| Targets(IC50) | Opioid Receptor |
| In vitro | DALDA possesses a net positive charge of 3+ at physiological pH, making it hydrophilic and increasing its polarity relative to morphine [1]. |
| In vivo | DALDA administered intrathecally at doses ranging from 0 to 7 nmol/rat exhibits both antinociceptive and respiratory effects in rats [1]. When delivered intracerebroventricularly at 0.1 and 1.0 μ g/side, DALDA induces a biphasic response characterized by initial suppression, then pronounced inhibition, and subsequent activation of horizontal movement, rearing, and stereotypy behaviors in rats [2]. |

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286

E_mail:info@targetmol.com

Address:34 Washington Street,Wellesley Hills,MA 02481