Hello Bio, Inc. 304 Wall St., Princeton, NJ 08540 USA

T. 609-683-7500 F. 609-228-4994

customercare-usa@hellobio.com



# **DATASHEET**

BDS I

#### **Product overview**

Name BDS II
Cat No HB1242
Biological action Inhibitor

**Description** Selective, reversible K<sub>v</sub>3 channel inhibitor

## **Biological Data**

**Biological description** Selective and reversible K<sub>v</sub>3 channel inhibitor. Found in the venom of the sea anemone Anemonia

sulcata. Shows higher selectivity for  $K_v3.4$  (IC<sub>50</sub> = 56 nM). Also antagonist at receptor site 3 of voltage-

gated sodium channels (IC $_{50}$  = 5.2  $\mu$ M). Displays antihypertensive and antiviral properties.

## **Solubility & Handling**

Storage buffer soluble in any aqueous buffer

Storage instructions -20°C

Storage of solutions Prepare and use solutions on the same day if possible. Store solutions at -20 °C for up to one month if

storage is required. Equilibrate to RT and ensure the solution is precipitate free before use.

**Shipping Conditions** Stable for ambient temperature shipping. Follow storage instructions on receipt.

Important This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not

for human or veterinary use.

### **Chemical Data**

**Chemical structure**