**Description:**
Water-soluble analogue of forskolin that is a potent activator of adenylyl cyclase; shows some selectivity for cardiac (type V) adenyl cyclase. Stimulates bronchodilation (EC$_{50}$ = 32.6 nM) and is an orally active potent positive chronotrope and hypotensive agent in vivo.

**PHYSICAL AND CHEMICAL PROPERTIES**

- **Batch Molecular Formula:** C$_{27}$H$_{43}$NO$_8$.HCl
- **Batch Molecular Weight:** 546.1
- **CAS Number:** [138605-00-2]
- **Physical Appearance:** White solid
- **Batch Molecular Structure:**

![Molecular Structure](image)

- **Solubility:** Water to 40 mM
  - Ethanol to 15 mM
  - DMSO to 100 mM

- **Stability and Solubility Advice:**
  Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).
  Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide.

- **Our Standard Recommendations Are:**
  SOLIDS: Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.
  SOLUTIONS: We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and stored on the same day.

- **Storage:** Desiccate at +4°C. Product shipped at ambient temperature.

**References:**