

Product Name: 666-15

Catalog No.: 5661

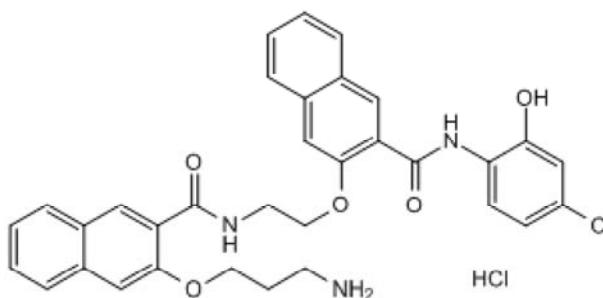
Batch No.: 2

CAS Number: 1433286-70-4

IUPAC Name: 3-(3-Aminopropoxy)-N-[2-[[[3-[[[4-chloro-2-hydroxyphenyl]amino]carbonyl]-2-naphthalenyl]oxy]ethyl]-2-naphthalenecarboxamide hydrochloride

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₃₃H₃₀ClN₃O₅.HCl
Batch Molecular Weight: 620.52
Physical Appearance: White solid
Solubility: DMSO to 100 mM
Storage: Desiccate at RT
Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 99% purity
¹H NMR: Consistent with structure
Mass Spectrum: Consistent with structure
Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	63.87	5.04	6.77
Found	63.57	5.02	6.7

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

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Description:

Potent and selective CREB inhibitor ($IC_{50} = 81$ nM). Inhibits cancer cell growth, without harming normal cells (up to 1 μ M). Completely suppresses tumor growth in a breast cancer xenograft model.

Physical and Chemical Properties:

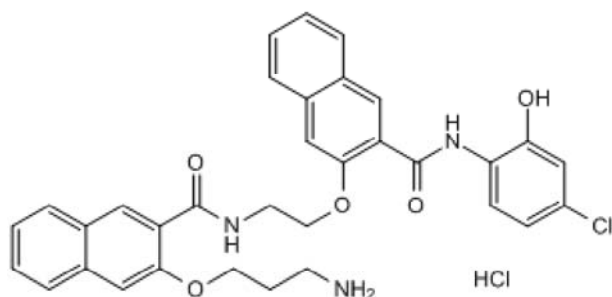
Batch Molecular Formula: $C_{33}H_{30}ClN_3O_5 \cdot HCl$

Batch Molecular Weight: 620.52

Physical Appearance: White solid

Minimum Purity: >98%

Batch Molecular Structure:



Storage: Desiccate at RT

Solubility & Usage Info:

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 used on the same day.

References:

Li *et al* (2016) Systemic inhibition of CREB is well-tolerated *in vivo*. *Sci.Rep.* **6** 34513. PMID: 27694829.

Xie *et al* (2015) Identification of a potent inhibitor of CREB-mediated gene transcription with efficacious *in vivo* anticancer activity *J.Med.Chem.* **58** 5075. PMID: 26023867.

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