Product name: W-13, calmodulin inhibitor

Description: Cell-permeable CaM inhibitor

Biological description: Cell-permeable CaM inhibitor ($IC_{50} = 68 \mu M$, calmodulin activated PDE activity). W-12 (ab143758), W-5 (ab143770) and W-7 (ab143768) analog. Blocks NGF-induced ERK-MAP kinase phosphorylation. Shows antiproliferative effects.

CAS Number: 88519-57-7

Chemical structure:

![Chemical structure](image)

Chemical name: N-(4-Aminobutyl)-5-chloronaphthalene-2-sulfonamide hydrochloride

Molecular weight: 349.28

Molecular formula: $C_{14}H_{17}ClN_{2}O_{2}S.HCl$

PubChem identifier: 16760706

Storage instructions: Store at -20°C. Store under desiccating conditions. The product can be stored for up to 12 months.

Solubility overview: Soluble in water to 100 mM and in DMSO to 100 mM

Handling: Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour.

Need more advice on solubility, usage and handling? Please visit our frequently asked questions (FAQ) page for more details.

SMILES: C1=CC2=C(C=C2)S(=O)(=O)NCCCN)C(=C1)Cl.Cl

Source: Synthetic

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES, NOT FOR USE IN HUMANS"
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