

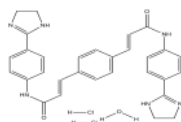
PRODUCT: GW 4869 dihydrochloride

ALTERNATE NAME: 3,3'-(1,4-phenylene)bis[N-[4-(4,5-dihydro-1H-imidazol-2-yl)phenyl]-2-propenamide, dihydrochloride; GW69A; GW554869A

CATALOG #: 2417-1, 5

AMOUNT: 1 mg, 5 mg

STRUCTURE:



MOLECULAR FORMULA: C₃₀H₂₈N₆O₂ · 2HCl [xH₂O]

MOLECULAR WEIGHT: 577.50

CAS NUMBER: 6823-69-4

APPEARANCE: Pale yellow solid

SOLUBILITY: DMSO (~0.2 mg/ml)

PURITY: ≥90%

STORAGE: At -20°C. Protect from air and moisture

DESCRIPTION: GW 4869 is a cell-permeable, non-competitive inhibitor of neutral sphingomyelinases (IC₅₀ = 1 μM), but does not affect acid sphingomyelinase activity. It inhibits TNF-α-mediated sphingomyelin hydrolysis (100% inhibition at 20 μM) and TNF-α-induced cell death in MCF7 cells without interfering with activation of NF-κB or glutathione depletion in response to TNF.

REFERENCE: Luberto, C., *et al.* (2002). *J. Biol. Chem.* **277**, 41128-41139.

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

RELATED PRODUCTS:

C2 Ceramide (**Cat. No. 2390-5, 25**)

C2-Dihydroceramide (**Cat. No. 2391-5, 25**)

Sphingosine Kinase Inhibitor, SKI-I (**Cat. No. 2046-5, 25**)

Sphingosine Kinase Inhibitor, SKI-II (**Cat. No. 2047-5, 25**)

Sphingosine Kinase 1 Antibody (**Cat. No. 3883-100**)

Sphingosine Kinase 2 Antibody (**Cat. No. 3884-100**)

PhosphoSeek™ Sphingosine Kinase Assay kit (**Cat. No. K708-400**)

USAGE: **FOR RESEARCH CH USE ONLY! Not to be used in humans**