

Tyrphostin AG 825

Size: 10 mg
M.W. = 397.47
Batch No.: 1A/20050309



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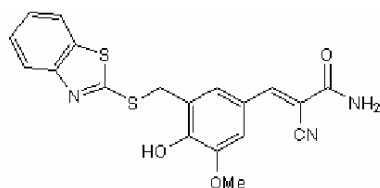
This product is for laboratory research ONLY and not for diagnostic use

Description:

Epidermal growth factor receptor (EGFR) kinase inhibitor. Selective for Her2 over Her1 (IC 50 values are 0.15 and 19 μ M respectively). Preferentially triggers p38 MAP kinase-dependent apoptosis in androgen-independent prostate cancer cells.

Physical and Chemical Properties:

Molecular Formula: C₁₉H₁₅N₃O₃S₂
 Molecular Weight: 397.47
 Physical Appearance: Yellow solid
 Molecular Structure:



Solubility: 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.

References:

1. Gazit *et al* (1993) Tyrphostins Structure-activity relationship studies of alpha substituted benzylidenemalononitrile 5-S-aryltyrphostins. *J. Med. Chem.* 36:3556.
2. Oshero *et al* (1993) Selective inhibition of the epidermal growth factor and HER2/Neu receptors by tyrphostins. *J. Biol. Chem.* 268:11134
3. Murillo *et al* (2001) Tyrphostin AG825 triggers p38 mitogen-activated protein kinase-dependent apoptosis in androgen-independent prostate cancer cells C4 and C4-2. *Cancer Res.* 61:7408

Storage: Upon arrival store this product at 4 °C. For long term, store the product at -20 °C. Product shipped at ambient temperature.