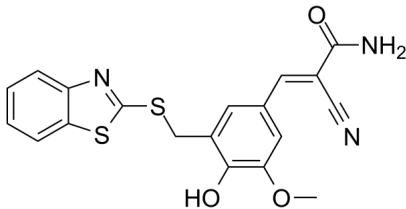


Certificate of Analysis

Catalog Number	BP10591
Product Name	AG-825

Physical and Chemical Properties

Synonyms	Tyrphostin AG-825
CAS No.	149092-50-2
Chemical Formula	C ₁₉ H ₁₅ N ₃ O ₃ S ₂
Molecular Weight	397.47
Solubility	
Storage	Powder: -20°C for 2 years In solvent: -80°C for 1 year
Chemical Structure OR Tested Image	 <p>The chemical structure of Tyrphostin AG-825 is shown. It consists of a benzothiazole ring system connected via a methylene group to a benzene ring. This benzene ring has a hydroxyl group (HO) and a methoxy group (O-) at the 3 and 4 positions, respectively. It is also connected via a vinyl group to a cyanoacetamide side chain (CH=CH-C(=O)NH₂ and C≡N).</p>

Product Information

Description	AG-825(Tyrphostin AG-825) is a potential agent for overcoming Mn-induced neurotoxicity or AD development and is a selective and ATP-competitive ErbB2 inhibitor which suppresses tyrosine phosphorylation, with an IC50 of 0.35 μ M. AG825 significantly accelerates apoptosis of human neutrophils. AG-825 displays anti-cancer activity.
Targets&IC50	EGFR: 19 μ M, ErbB2: 0.35 μ M

Analytical Data

HPLC	Shows Min >99% purity
H-NMR	Consistent with structure
Stability and Solubility Advice	Information on product stability, especially in solution, has rarely been reported and in most cases we can only provide a general guideline. We recommend that once the stock solution has been prepared, it be stored in equal quantities in sealed vials and used within 1 month. Avoid repeated freezing and thawing cycles. Storage conditions for some special products should be referred to their storage details.

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v2 Revision on 12/28/2022