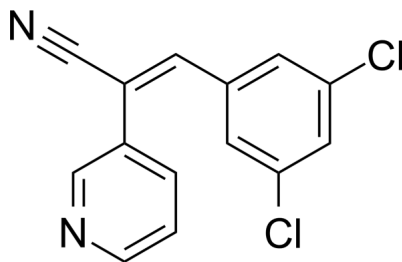


Certificate of Analysis

Catalog Number	BP10427
Product Name	RG14620

Physical and Chemical Properties

Synonyms	Tyrphostin RG14620, RG 14620
CAS No.	136831-49-7
Chemical Formula	C ₁₄ H ₈ Cl ₂ N ₂
Molecular Weight	275.13
Solubility	DMSO: 26 mg/mL
Storage	Powder: -20°C for 2 years In solvent: -80°C for 1 year
Chemical Structure OR Tested Image	

Product Information

Description	RG14620 is an epidermal growth factor receptor (EGFR) inhibitor.
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Targets&IC50	EGFR: 3 μ M.
In vitro	RG14620 is dissolved in 100% DMSO and diluted with the culture medium before addition to the cells. MH-85 and HER 14 cells are cultured in the medium in the presence or absence of increasing concentrations of RG-13022 or RG-14620 for 10 days. At the end of culture, the cells are fixed with 4% (v/v) formaldehyde in calcium-magnesium-free phosphate-buffered saline for 15 min at room temperature and stained with hematoxylin. Numbers of colonies including more than 20 cells in each well are counted under the microscope.

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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