

NG 25 (hydrochloride hydrate) Biochemical

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CATALOG #
AAA227209

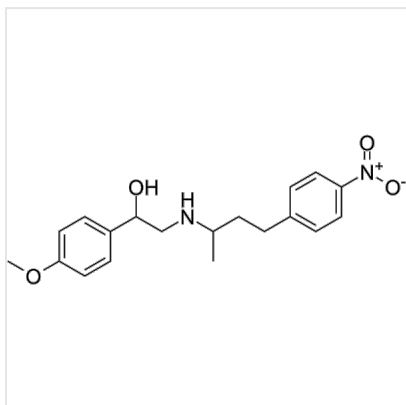
PRODUCT SYNONYMS

NG 25 (hydrochloride hydrate); NG 25 (hydrochloride hydrate) biochemical

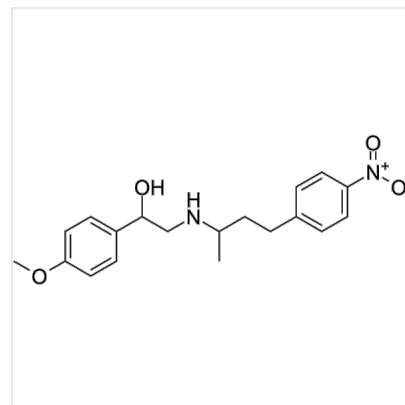
PRODUCT SPECIFICATIONS

Purity/Purification	98%
Solubility	H ₂ O: 5 mg/mL <1mg/ml refers to the product slightly soluble or insoluble
Preparation and Storage	Powder: -20 degree C for 3 years In solvent: -80 degree C for 2 years

IMAGES



Structure
Phenylethanolamine A, CAS 1346746-81-3



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ADDITIONAL INFORMATION

Related Product Information for NG 25 (hydrochloride hydrate) biochemical	NG 25 is a type II kinase inhibitor that inhibits MAP4K2 and TAK1 (IC ₅₀ s = 21.7 and 149 nM, respectively). ¹ It also inhibits the Src family kinases Src and LYN (IC ₅₀ s = 113 and 12.9 nM, respectively) and Abl family kinases (IC ₅₀ s = 75.2 nM), as well as CSK, FER, and p38alpha (IC ₅₀ s = 56.4, 82.3, and 102 nM, respectively). NG 25 (100 nM) prevents TNF-alpha-induced IKKalpha/beta phosphorylation and IkappaB-alpha degradation in L929 cells. It inhibits secretion of IFN-alpha and IFN-beta induced by CpG type B and CL097, respectively, in Gen2.2 cells in a concentration-dependent manner. ² NG 25 decreases cell viability of HCT116KRASWT, and to a greater degree of HCT116KRASG13D, colorectal cancer cells in a concentration-dependent manner. ³ It also reduces tumor growth and increases the number of TUNEL-positive tumor cells in a CT26KRASG12Dmouse orthotopic model of colorectal cancer.
References	1. Mingxin Li, et al. Ultrasensitive and Quantitative Detection of a New beta-agonist Phenylethanolamine A by a Novel Immunochromatographic Assay Based on Surface-Enhanced Raman Scattering (SERS). J Agric Food Chem. 2014 Nov 12;62(45):10896-902.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/biochemical/ng-25-hydrochloride-hydrate/227209>