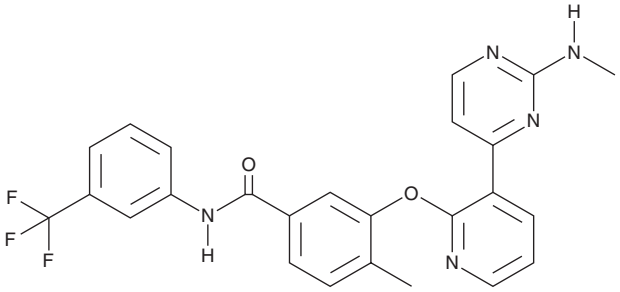
PRODUCT INFORMATION

AMG-Tie2-1

Item No. 28850

CAS Registry No.:	870223-96-4
Formal Name:	4-methyl-3-[[3-[2-(methylamino)-4-pyrimidinyl]-2-pyridinyl]oxy]-N-[3-(trifluoromethyl)phenyl]-benzamide
MF:	$C_{25}H_{20}F_3N_5O_2$
FW:	479.5
Purity:	≥98%
UV/Vis.:	λ_{max}: 245 nm
Supplied as:	A solid
Storage:	-20°C
Stability:	≥4 years



Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Laboratory Procedures

AMG-Tie2-1 is supplied as a solid. A stock solution may be made by dissolving the AMG-Tie2-1 in the solvent of choice, which should be purged with an inert gas. AMG-Tie2-1 is soluble in organic solvents such as DMSO and dimethyl formamide. The solubility of AMG-Tie2-1 in these solvents is approximately 10 mg/ml.

AMG-Tie2-1 is sparingly soluble in aqueous buffers. For maximum solubility in aqueous buffers, AMG-Tie2-1 should first be dissolved in DMSO and then diluted with the aqueous buffer of choice. AMG-Tie2-1 has a solubility of approximately 0.3 mg/ml in a 1:2 solution of DMSO:PBS (pH 7.2) using this method. We do not recommend storing the aqueous solution for more than one day.

Description

AMG-Tie2-1 is an inhibitor of tunica interna endothelial cell kinase 2 (Tie2) and VEGF receptor 2 (VEGFR2) with IC_{50} values of 1 and 3 nM, respectively, in a homogenous time-resolved fluorescence (HTRF) assay.[1] It inhibits angiopoietin 1-induced Tie2 autophosphorylation in EA.hy926 human endothelial cells (IC_{50} = 10 nM).

Reference

1. Hodous, B.L., Geuns-Meyer, S.D., Hughes, P.E., *et al.* Evolution of a highly selective and potent 2-(pyridin-2-yl)-1,3,5-triazine Tie-2 kinase inhibitor. *J. Med. Chem.* **50(4)**, 611-626 (2007).

CAYMAN CHEMICAL
1180 EAST ELLSWORTH RD
ANN ARBOR, MI 48108 · USA
PHONE: [800] 364-9897
[734] 971-3335
FAX: [734] 971-3640
CUSTSERV@CAYMANCHEM.COM
WWW.**CAYMANCHEM**.COM