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Produktinformation

- Forschungsprodukte & Biochemikalien
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- Diagnostik & molekulare Diagnostik
- Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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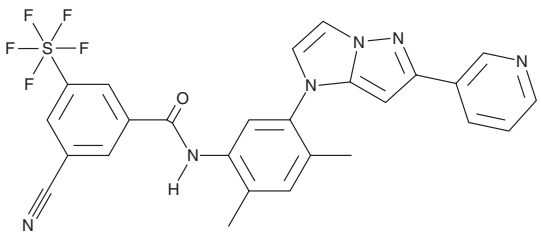
PRODUCT INFORMATION

BAY-826

Item No. 41365

CAS Registry No.:	1448316-08-2
Formal Name:	[3-cyano-5-[[[2,4-dimethyl-5-[6-(3-pyridinyl)-1H-imidazo[1,2-b]pyrazol-1-yl]phenyl]amino]carbonyl]phenyl] pentafluoro-sulfur
Synonyms:	BAY-Tie2, BAY-Tunica Interna Endothelial Cell Kinase 2
MF:	$C_{26}H_{19}F_5N_6OS$
FW:	558.5
Purity:	≥98%
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

BAY-826 is supplied as a solid. A stock solution may be made by dissolving the BAY-826 in the solvent of choice, which should be purged with an inert gas. BAY-826 is sparingly soluble (1-10 mg/ml) in DMSO and slightly soluble (0.1-1 mg/ml) in acetonitrile.

Description

BAY-826 is an inhibitor of tunica interna endothelial cell kinase 2 (Tie2; IC_{50} = 0.5 nM).[1] It inhibits Tie2 autophosphorylation in human umbilical vein endothelial cells (HUVECs; EC_{50} = 1.3 nM).[2] BAY-826 (0.1 or 1 µM), in combination with radiation, reduces colony formation in a colony formation assay using SMA-497, SMA-540, SMA-560, and GL261 mouse glioma cells. *In vivo*, BAY 826 (100 mg/kg per day), in combination with radiation, decreases tumor volume and vascularization, as well as increases the number of $CD45^+$ T cell tumor infiltrates and animal survival in an SMA-560 murine glioma model.

References

1. Sübmeier, F., Lobell, M., Grünewald, S., *et al.* Sustituted phenylimidazopyrazoles and their use. *Bayer Intellectual Property*. **US2013/0190290Al** (2013).
2. Schneider, H., Szabo, E., Machado, R.A.C., *et al.* Novel TIE-2 inhibitor BAY-826 displays *in vivo* efficacy in experimental syngeneic murine glioma models. *J. Neurochem.* **140(1)**, 170-182 (2016).

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