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Produktinformation

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Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Vemurafenib (Standard)

Cat. No.: HY-12057R

CAS No.: 918504-65-1

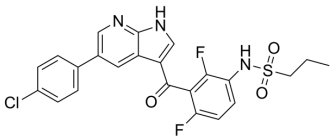
Molecular Formula: $C_{23}H_{18}ClF_2N_3O_3S$

Molecular Weight: 489.92

Target: Autophagy; Raf

Pathway: Autophagy; MAPK/ERK Pathway

Storage: Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Vemurafenib (Standard) is the analytical standard of Vemurafenib. This product is intended for research and analytical applications. Vemurafenib (PLX4032) is a first-in-class, selective, potent inhibitor of B-RAF kinase, with IC_{50}s of 31 and 48 nM for RAF^{V600E} and c-RAF-1, respectively[1][4]. Vemurafenib induces cell autophagy[5].
IC_{50} & Target	IC50: 31 nM ($BRAF^{V600E}$), 48 nM (c-RAF-1)

REFERENCES

[1]. Bollag G, et al. Clinical efficacy of a RAF inhibitor needs broad target blockade in BRAF-mutant melanoma. Nature, 2010, 467(7315), 596-599.

[2]. Yang H, et al. RG7204 (PLX4032), a selective BRAFV600E inhibitor, displays potent antitumor activity in preclinical melanoma models. Cancer Res, 2010, 70(13), 5518-5527.

[3]. Prahallad A, et al. Unresponsiveness of colon cancer to BRAF(V600E) inhibition through feedback activation of EGFR. Nature, 2012, 483(7387), 100-103.

[4]. Shelledy L, et al. Vemurafenib: First-in-Class BRAF-Mutated Inhibitor for the Treatment of Unresectable or MetastaticMelanoma. J Adv Pract Oncol. 2015 Jul-Aug;6(4):361-5.

[5]. Wang W, et al. Targeting Autophagy Sensitizes BRAF-Mutant Thyroid Cancer to Vemurafenib.J Clin Endocrinol Metab. 2017 Feb 1;102(2):634-643.

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