



SZABO SCANDIC

Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

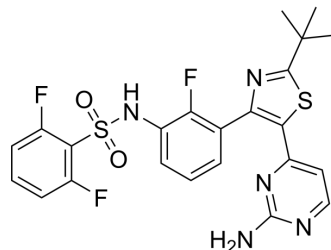
mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

Dabrafenib (Standard)

Cat. No.:	HY-14660R
CAS No.:	1195765-45-7
Molecular Formula:	C ₂₃ H ₂₀ F ₃ N ₅ O ₂ S ₂
Molecular Weight:	519.56
Target:	Raf
Pathway:	MAPK/ERK Pathway
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Dabrafenib (Standard) is the analytical standard of Dabrafenib. This product is intended for research and analytical applications. Dabrafenib (GSK2118436A) is an ATP-competitive inhibitor of Raf with IC ₅₀ s of 5 nM and 0.6 nM for C-Raf and B-Raf ^{V600E} , respectively ^[4] .
IC₅₀ & Target	IC ₅₀ : 0.6 nM (BRAF ^{V600E}), 5 nM (CRAF) ^[4]

REFERENCES

- [1]. Greger JG, et al. Combinations of BRAF, MEK, and PI3K/mTOR inhibitors overcome acquired resistance to the BRAF inhibitor GSK2118436 dabrafenib, mediated by NRAS or MEK mutations. *Mol Cancer Ther*, 2012, 11(4), 909-920.
- [2]. Lee S, et al. Anti-inflammatory effects of dabrafenib on polyphosphate-mediated vascular disruption. *Chem Biol Interact*. 2016 Jul 22.
- [3]. Jung B, et al. Anti-septic effects of dabrafenib on HMGB1-mediated inflammatory responses. *BMB Rep*. 2016 Apr;49(4):214-9.
- [4]. Alexander M Menzies, et al. Dabrafenib and its potential for the treatment of metastatic melanoma. *Drug Des Devel Ther*. 2012; 6: 391-405.
- [5]. Posobiec LM, et al. Early Vaginal Opening in Juvenile Female Rats Given BRAF-Inhibitor Dabrafenib Is Not Associated with Early Physiologic Sexual Maturation. *Birth Defects Res B Dev Reprod Toxicol*. 2015 Dec;104(6):244-52.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA