



# 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](mailto:mail@szabo-scandic.com)

[www.szabo-scandic.com](http://www.szabo-scandic.com)

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

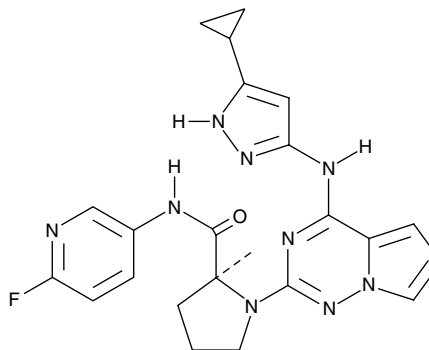
# Product Information



## BMS 754807

Item No. 17505

**CAS Registry No.:** 1001350-96-4  
**Formal Name:** 1-[4-[(5-cyclopropyl-1H-pyrazol-3-yl)amino]pyrrolo[2,1-f][1,2,4]triazin-2-yl]-N-(6-fluoro-3-pyridinyl)-2-methyl-(2S)-2-pyrrolidinecarboxamide  
**MF:** C<sub>23</sub>H<sub>24</sub>FN<sub>9</sub>O  
**FW:** 461.5  
**Purity:** ≥98%  
**Stability:** ≥2 years at -20°C  
**Supplied as:** A crystalline solid  
**UV/Vis.:** λ<sub>max</sub>: 244, 312 nm



### Laboratory Procedures

For long term storage, we suggest that BMS 754807 be stored as supplied at -20°C. It should be stable for at least two years.

BMS 754807 is supplied as a crystalline solid. A stock solution may be made by dissolving the BMS 754807 in the solvent of choice. BMS 754807 is soluble in organic solvents such as ethanol, DMSO, and dimethyl formamide, which should be purged with an inert gas. The solubility of BMS 754807 in these solvents is approximately 30 mg/ml.

BMS 754807 is sparingly soluble in aqueous buffers. For maximum solubility in aqueous buffers, BMS 754807 should first be dissolved in ethanol and then diluted with the aqueous buffer of choice. BMS 754807 has a solubility of approximately 0.5 mg/ml in a 1:1 solution of ethanol:PBS (pH 7.2) using this method. We do not recommend storing the aqueous solution for more than one day.

BMS 754807 is a reversible, orally bioavailable dual inhibitor of insulin-like growth factor 1 receptor (IGF-1R) and insulin receptor (InsR) tyrosine kinases (IC<sub>50</sub>s = 1.8 and 1.7 nM, respectively).<sup>1,2</sup> It has minimal effect against an array of other tyrosine and serine/threonine kinases.<sup>1</sup> BMS 754807 inhibits cell proliferation or induces apoptosis in a variety of cancer cells *in vitro*.<sup>2</sup> It inhibits the growth of tumor xenografts in mice and this effect is often enhanced by combination therapy with other chemotherapeutics.<sup>2-4</sup> Predictive biomarkers, including elevated IGF-1R expression, for effectiveness of BMS 754807 have been delineated.<sup>5</sup>

### References

1. Wittman, M.D., Carboni, J.M., Yang, Z., *et al.* Discovery of a 2,4-disubstituted pyrrolo-[1,2-f][1,2,4]triazine inhibitor (BMS-754807) of insulin-like growth factor receptor (IGF-1R) kinase in clinical development. *J. Med. Chem.* **52**, 7630-7663 (2009).
2. Carboni, J.M., Wittman, M., Yang, Z., *et al.* BMS-754807, a small molecule inhibitor of insulin-like growth factor-1R/IR. *Mol. Cancer Ther.* **8**(12), 3341-3349 (2009).
3. Awasthi, N., Zhang, C., Ruan, W., *et al.* BMS-754807, a small-molecule inhibitor of insulin-like growth factor-1 receptor/insulin receptor, enhances gemcitabine response in pancreatic cancer. *Mol. Cancer Ther.* **11**(12), 2644-2653 (2012).
4. Dayyani, F., Parikh, N.U., Varkaris, A.S., *et al.* Combined inhibition of IGF-1R/IR and Src family kinases enhances antitumor effects in prostate cancer by decreasing activated survival pathways. *PLoS One* **7**(12), 1-10 (2012).
5. Huang, F., Chang, H., Greer, A., *et al.* IRS2 copy number gain, KRAS and BRAF mutation status as predictive biomarkers for response to the IGF-1R/IR inhibitor BMS-754807 in colorectal cancer cell lines. *Mol. Cancer Ther.* **14**(2), 620-630 (2014).

### Related Products

For a list of related products please visit: [www.caymanchem.com/catalog/17505](http://www.caymanchem.com/catalog/17505)

**WARNING: THIS PRODUCT IS FOR LABORATORY RESEARCH ONLY: NOT FOR ADMINISTRATION TO HUMANS. NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.**

#### SAFETY DATA

This material should be considered hazardous until information to the contrary becomes available. Do not ingest, swallow, or inhale. Do not get in eyes, on skin, or on clothing. Wash thoroughly after handling. This information contains some, but not all, of the information required for the safe and proper use of this material. Before use, the user must review the complete Safety Data Sheet, which has been sent via email to your institution.

#### WARRANTY AND LIMITATION OF REMEDY

Cayman Chemical Company makes **no warranty or guarantee** of any kind, whether written or oral, expressed or implied, including without limitation, any warranty of fitness for a particular purpose, suitability and merchantability, which extends beyond the description of the chemicals hereof. Cayman warrants only to the original customer that the material will meet our specifications at the time of delivery.

Cayman will carry out its delivery obligations with due care and skill. Thus, in no event will Cayman have any obligation or liability, whether in tort (including negligence) or in contract, for any direct, indirect, incidental or consequential damages, even if Cayman is informed about their possible existence.

This limitation of liability does not apply in the case of intentional acts or negligence of Cayman, its directors or its employees.

Buyer's exclusive remedy and Cayman's sole liability hereunder shall be limited to a refund of the purchase price, or at Cayman's option, the replacement, at no cost to Buyer, of all material that does not meet our specifications.

Said refund or replacement is conditioned on Buyer giving written notice to Cayman within thirty (30) days after arrival of the material at its destination. Failure of Buyer to give said notice within thirty (30) days shall constitute a waiver by Buyer of all claims hereunder with respect to said material.

For further details, please refer to our Warranty and Limitation of Remedy located on our website and in our catalog.

Copyright Cayman Chemical Company, 04/29/2015

### Cayman Chemical

#### Mailing address

1180 E. Ellsworth Road  
Ann Arbor, MI  
48108 USA

#### Phone

(800) 364-9897  
(734) 971-3335

#### Fax

(734) 971-3640

#### E-Mail

[custserv@caymanchem.com](mailto:custserv@caymanchem.com)

#### Web

[www.caymanchem.com](http://www.caymanchem.com)