

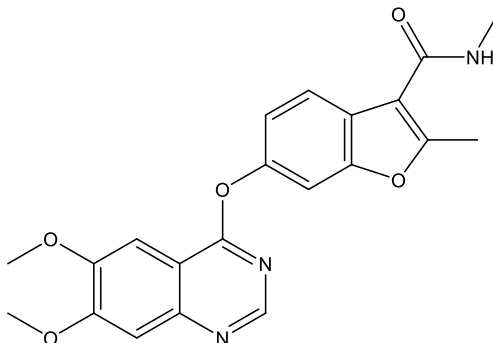
**Catalog # 10-4784**

**Fruquintinib**

CAS# 1194506-26-7

6-(6,7-Dimethoxyquinazolin-4-yl)oxy-N,2-dimethyl-1-benzofuran-3-carboxamide; HMPL-013

Lot # FBS2019



Fruquintinib is a potent and highly selective inhibitor of VEGFR kinase (IC<sub>50</sub>'s: VEGFR1= 33 nM, VEGFR2 = 35 nM, VEGFR3 = 0.5 nM).<sup>1</sup> It potently inhibited VEGF/VEGFR signaling and cell proliferation in HUVECs and HLECs and prevented angiogenesis *in vitro*. Fruquintinib is currently in several clinical trials against metastatic colorectal cancer<sup>2</sup> and nonsquamous non-small-cell lung cancer<sup>3</sup>.

- 1) Sun *et al.* (2014) *Discovery of fruquintinib, a potent and highly selective small molecule inhibitor of VEGFR 1,2,3 tyrosine kinases for cancer therapy*; *Cancer Biol. Ther.* **15** 1635
- 2) Li *et al.* (2018) *Effect of Fruquintinib vs Placebo on Overall Survival in Patients With Previously Treated Metastatic Colorectal Cancer: The FRESCO Randomized Clinical Trial*; *JAMA* **319** 2486
- 3) Lu *et al.* (2018) *Randomized, Double-Blind, Placebo-Controlled, Multicenter Phase II Study of Fruquintinib After Two Prior Chemotherapy Regimens in Chinese Patients With Advanced Nonsquamous Non-Small-cell Lung Cancer*; *J. Clin. Oncol.* **36** 1207

**PHYSICAL DATA**

Molecular Weight:	393.40
Molecular Formula:	C <sub>21</sub> H <sub>19</sub> N <sub>3</sub> O <sub>4</sub>
Purity:	>98% by HPLC
	NMR: (Conforms)
Solubility:	DMSO (5 mg/ml)
Physical Description:	White solid
Storage and Stability:	Store as supplied at -20°C for up to 1 year from the date of purchase. Solutions in DMSO may be stored at -20°C for up to 1 month.

**Materials provided by Focus Biomolecules are for laboratory research use only and are not intended for human or veterinary applications.**