RAS-RAF-MEK-ERK Pathway Inhibitors

The RAS-RAF-MEK-ERK signaling pathway plays an important role in cell proliferation, differentiation and apoptosis in mammalian cells.\(^1\)\(^-\)\(^3\) Aberrant RAS-RAF-MEK-ERK signaling has been associated with the development of a number of human cancers.\(^1\)\(^-\)\(^3\) For example, activating mutations (e.g., B-RAFV600E) in a RAF isoform, B-RAF, have been identified in multiple cancers.\(^3\)

**RAS-RAF-MEK-ERK pathway inhibitors in development**

Visit the [Novartis Oncology Pipeline](https://www.novartisoncology.com) to learn more about the following molecules in development to inhibit the RAS-RAF-MEK-ERK pathway:

- RAF265: RAF (including mutant B-RAF) and vascular endothelial growth factor receptor 2 (VEGFR-2) kinase inhibitor

**References:**


**Footnotes:**

All compounds are either investigational or studied in new indications. Efficacy and safety have not been established. There is no guarantee that they will become commercially available.

**Accordion Type:**

Collapsible
Source URL: https://www.novartisoncology.com/our-work/research-development/key-targets/pathway-inhibitors

Links