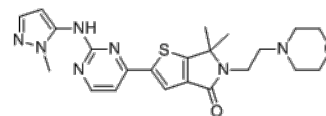


**Product Name** : LY3214996  
**Cat. No.** : PC-61973  
**CAS No.** : 1951483-29-6  
**Molecular Formula** : C<sub>22</sub>H<sub>27</sub>N<sub>7</sub>O<sub>2</sub>S  
**Molecular Weight** : 453.56  
**Target** : ERK  
**Solubility** : 10 mM in DMSO



### Biological Activity

Temuterkib (LY-3214996) is a novel potent, selective, orally active **ERK1/2** inhibitor with IC<sub>50</sub> of 5 nM for both enzymes in biochemical assays.

Temuterkib (LY-3214996) potently inhibits cellular phospho-RSK1 in BRAF and RAS mutant cancer cell lines.

Temuterkib (LY-3214996) demonstrates inhibition of cell proliferation, general sensitivity against tumor cells with MAPK pathway alterations including BRAF, NRAS or KRAS mutation.

Temuterkib (LY-3214996) significantly inhibits tumor growth in vivo and is well tolerated in BRAF or NRAS mutant melanoma, BRAF or KRAS mutant colorectal, lung and pancreatic cancer xenografts or PDX models.

### References

Shripad V. Bhagwat, et al. **AACR** Abstract 4973.

**Caution: Product has not been fully validated for medical applications. Lab Use Only!**

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