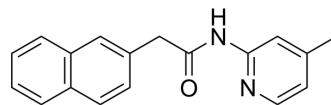


RIOK2-IN-1

Cat. No.:	HY-156792
CAS No.:	1088216-72-1
Molecular Formula:	C ₁₈ H ₁₆ N ₂ O
Molecular Weight:	276.33
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

RIOK2-IN-1 (com 4) is a potent and selective RIOK2 inhibitor (K_d=150 nM), but has low cellular activity (IC₅₀=14,600 nM). RIOK2 is an atypical kinase associated with a variety of human cancers and is involved in ribosome maturation and cell cycle progression. The small molecule inhibitor CQ211 (HY-147655), an improvement of RIOK2-IN-1 as the lead compound, has good in vivo and in vitro activity, inhibits the proliferation of MKN-1 and HT-29 cancer cells, and can xenograft MKN in mice - 1 model inhibits tumor progression^[1].

REFERENCES

[1]. Ouyang Y, et al. Discovery of 8-(6-Methoxypyridin-3-yl)-1-(4-(piperazin-1-yl)-3-(trifluoromethyl)phenyl)-1,5-dihydro-4H-[1,2,3]triazolo[4,5-c]quinolin-4-one (CQ211) as a Highly Potent and Selective RIOK2 Inhibitor. *J Med Chem.* 2022 Jun 9;65(11):7833-7842.

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

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