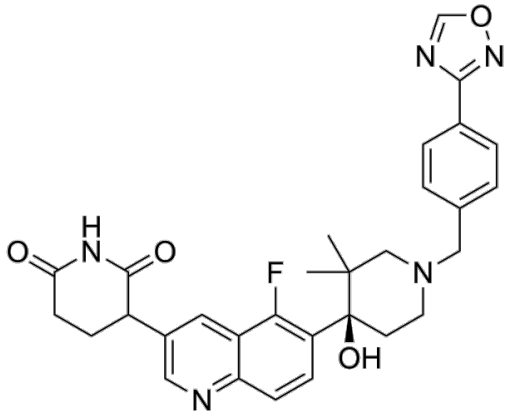
Product Data Sheet

Product Name: NEO-811
Cat. No.: GC81031

Chemical Properties

Cas. No.	3084635-77-5		
Formula	$C_{30}H_{30}FN_5O_4$	M.Wt	543.59
Solubility		Storage	Store at -20°C
General tips	For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while.Stock solution can be stored below -20°C for several months.		
Shipping Condition	Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.		

Structure



Background

NEO-811 is a selective and orally active ARNT (HIF-1β) molecular glue degrader. NEO-811 is mediated by CRL4-CRBN E3 ligase for ARNT degradation. NEO-811 can be used for the study of clear cell renal cell carcinoma (ccRCC) [1] [2].

In Vitro, NEO-811 is highly selective and does not degrade well-known neosubstrates. Transcriptomic profiling of NEO-811 activity across several VHL-deficient ccRCC cell lines confirmed suppression of HIF-2α target genes, including cyclin D and vascular endothelial growth factor (VEGF). NEO-811 also uniquely suppresses expression of target genes regulated by other Class I

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bHLH-PAS transcription factors, including HIF-1α and aryl hydrocarbon receptor (AHR). NEO-811 retaines activity in HIF-2α inhibitor-resistant cells that harbored previously described mutations[2].

References:

[1]. Jennifer Griffin, et al. Abstract 6734: Discovery and optimization of NEO-811, a first-in-class molecular glue degrader of ARNT, utilizing structure-based drug design. Cancer Res (2026) 86 (7_Supplement): 6734.
[2]. J. Scott Lee, et al. Abstract 5791: Preclinical characterization of NEO-811, a novel molecular glue degrader of ARNT for the treatment of clear cell renal cell carcinoma. Cancer Res (2026) 86 (7_Supplement): 5791.

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