

β -Naphthoflavone-CH₂-OH

Chemical Properties

CAS No. :

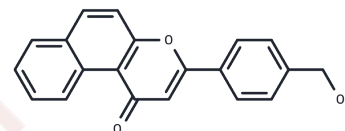
Formula: C₂₀H₁₄O₃

Molecular Weight: 302.32

Keep away from direct sunlight

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

Description	β -Naphthoflavone-CH ₂ -OH (β -NF-CH ₂ -OH) serves as an AhR E3 ligase ligand, forming chimeric molecules when connected to a protein ligand through a linker, resulting in PROTACs or SNIPERs (e.g., β -naphthoflavone-JQ1). These chimeric molecules recruit the AhR E3 ligase complex by incorporating AhR ligands. By inducing ubiquitination-mediated degradation, PROTACs effectively target and degrade cancer-promoting proteins [1].
Targets(IC50)	Others,E3 Ligase Ligand-Linker Conjugates,PROTAC Linker

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.3078 mL	16.5388 mL	33.0775 mL
5 mM	0.6616 mL	3.3078 mL	6.6155 mL
10 mM	0.3308 mL	1.6539 mL	3.3078 mL
50 mM	0.0662 mL	0.3308 mL	0.6616 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Ohoka N, et al. Development of Small Molecule Chimeras That Recruit AhR E3 Ligase to Target Proteins. ACS Chem Biol. 2019 Oct 16.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481