

## PROTAC AR Degradar-5

## Chemical Properties

CAS No. : 2703021-51-4

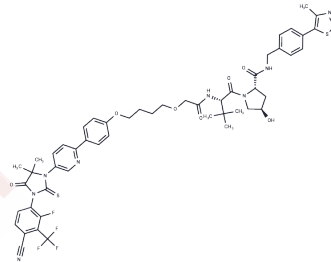
Formula: C52H54F4N8O7S2

Molecular Weight: 1043.16

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	PROTAC AR Degradar-5 (compound A46) is a powerful AR PROTAC Degradar exhibiting an IC <sub>50</sub> of 49 nM. It not only inhibits sebaceous plaque but also promotes hair regeneration [1].
Targets(IC <sub>50</sub> )	Androgen Receptor,PROTACs
In vivo	The chemical compound PROTAC AR Degradar-5 (compound A46) exhibits significant bioactivity in both Syrian hamsters and C57BL/6N mice. In a Syrian hamster model, daily dermal applications of 100, 200, 400, and 800 µg combined with 12 µg TP for 21 days resulted in sebaceous gland suppression with inhibition rates of 19.24%, 35.20%, 49.54%, and 51.61% respectively. In the C57BL/6N mouse model, dermal doses of 5, 10, and 30 mg/ml with DHT 30 mpk applied twice daily for 17 days successfully induced hair regrowth. The test subjects were female Syrian hamsters aged 7-8 weeks and weighing 90-110 grams.

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.9586 mL	4.7931 mL	9.5863 mL
5 mM	0.1917 mL	0.9586 mL	1.9173 mL
10 mM	0.0959 mL	0.4793 mL	0.9586 mL
50 mM	0.0192 mL	0.0959 mL	0.1917 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.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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