

Product Data Sheet

Product Name: ARF(26-44), cell-permeable acetate

Cat. No.: GC81446

Chemical Properties

Cas. No.

Formula $C_{149}H_{267}N_{69}O_{33}S \cdot xC_2H_4O_2$ M.Wt 3585.22

Solubility H_2O : ≥ 100 mg/mL Storage Sealed storage, away from moisture

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

{d-(Arg-Arg-Arg-Arg-Arg-Arg-Arg-Arg)-Lys-Phe-Val-Arg-Ser-Arg-Arg-Pro-Arg-Thr-Ala-Ser-Cys-Ala-Leu-Ala-Phe-Val-Asn (acetate salt)}

Background

ARF(26-44), cell-permeable acetate is a cell-penetrating peptide derived from a specific amino acid sequence of the p14ARF tumor suppressor protein. As a functional inhibitor of FoxM1, ARF(26-44) cell-permeable acetate shows significant anti-tumor activity in the treatment of mouse hepatocellular carcinoma (HCC), significantly increasing tumor cell apoptosis and reducing tumor cell proliferation

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

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and angiogenesis. ARF(26-44), cell-permeable acetate can be used in research on tumor therapy [1].

References:

[1]. Gusarova G A, et al. A cell-penetrating ARF peptide inhibitor of FoxM1 in mouse hepatocellular carcinoma treatment. The Journal of clinical investigation, 2007, 117(1): 99-111.

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