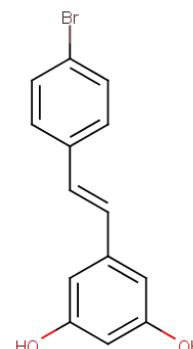


Catalog Number: CM17582

产品信息

Catalog Number:
CM17582**CAS号:**
1224713-90-9**分子式:**
C₁₄H₁₁BrO₂**主要靶点:**
Sirtuin**主要通路:**
表观遗传|DNA损伤和修复**分子量:**
291.14**溶解度:**
DMSO:30 mg/mL (103.04 mM)

体外活性

4'-BR treatment of melanoma cells resulted in (a) decrease in proliferation and clonogenic survival; (b) induction of apoptosis accompanied by a decrease in procaspase-3, procaspase-8, and increase in the cleavage of caspase-3 and poly (ADP-ribose) polymerase (PARP); (c) marked downregulation of proliferating cell nuclear antigen (PCNA); and (d) inhibition of melanoma cell migration. Further, 4'-BR caused a G₀/G₁ phase arrest of melanoma cells that was accompanied by an increase in WAF-1/P21 and decrease in Cyclin D1/Cyclin-dependent kinase 6 protein levels. 4'-BR causes a decrease in lactate production, glucose uptake, and NAD⁺ /NADH ratio. These responses were accompanied by downregulation in lactate dehydrogenase A and glucose transporter 1 in melanoma cells.[1]

描述

4'-bromo-Resveratrol is a potent inhibitor of the deacetylases sirtuin 1 (SIRT1) and 3 (SIRT3)

储存

Powder: -20°C for 3 years | In solvent: -80°C for 2 years