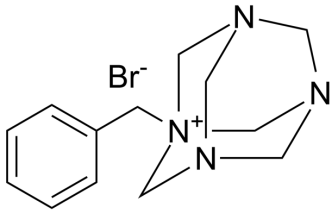
Roslin 2 bromide

Cat. No.:	HY-A0280
CAS No.:	29574-21-8
Molecular Formula:	$C_{13}H_{19}BrN_4$
Molecular Weight:	311.22
Target:	MDM-2/p53; FAK
Pathway:	Apoptosis; Protein Tyrosine Kinase/RTK
Storage:	-20°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



BIOLOGICAL ACTIVITY

Description	Roslin 2 bromide (Benzylhexamethylenetetramine bromide) is a p53 reactivator with anticancer effects. Roslin 2 bromide binds FAK, disrupts the binding of FAK and p53[1].
In Vitro	Roslin 2 bromide decreases cancer cell viability and clonogenicity in a p53-dependent manner. Roslin 2 bromide increases p53 transcriptional activity that is inhibited by FAK using p21, Mdm-2, and Bax-promoter targets. Roslin 2 bromide also causes increased expression of p53 targets: p21, Mdm-2 and Bax proteins[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.
In Vivo	Roslin 2 (60 mg/kg; i.p; 5 days/week) bromide significantly decreases tumor growth, disrupts the complex of FAK and p53, and up-regulates p21 in HCT116 $p53^{+/+}$ but not in HCT116 $p53^{-/-}$ xenografts in vivo[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Vita M Golubovskaya, et al. Disruption of focal adhesion kinase and p53 interaction with small molecule compound R2 reactivated p53 and blocked tumor growth. BMC Cancer. 2013 Jul 11;13:342.

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