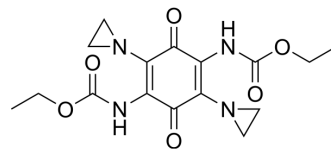


Diaziquone

Cat. No.:	HY-119969
CAS No.:	57998-68-2
Molecular Formula:	C ₁₆ H ₂₀ N ₄ O ₆
Molecular Weight:	364.35
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Diaziquone (Diaziquone) is a water-soluble, synthetic aziridinybenzoquinone with potential antineoplastic activity ^[1] .								
In Vivo	<p>Diaziquone (6.75mg /sq m daily for 5 consecutive days or single-dose 26 mg/sq m) has a broad range of activity of diaziquone against primary nervous system tumors and has enhancement effect combined with either 1,3-bis(2-chloroethyl)-1-nitrosourea or procarbazine in athymic mice^[1].</p> <p>MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p> <table border="1"> <tr> <td>Animal Model:</td> <td>Homozygous nu/nu BALB/c athymic mice^[1]</td> </tr> <tr> <td>Dosage:</td> <td>6.75mg /sq m or 26 mg/sq m</td> </tr> <tr> <td>Administration:</td> <td>6.75mg /sq m daily for 5 consecutive days or single-dose 26 mg/sq m</td> </tr> <tr> <td>Result:</td> <td> <p>Showed rapid clearance in the plasma of athymic mice with a half-life of approximately 11.5 min.</p> <p>Produced significant growth delays.</p> <p>Produced significant increases in the median growth delay, significant increases in the number of tumor regressions.</p> </td> </tr> </table>	Animal Model:	Homozygous nu/nu BALB/c athymic mice ^[1]	Dosage:	6.75mg /sq m or 26 mg/sq m	Administration:	6.75mg /sq m daily for 5 consecutive days or single-dose 26 mg/sq m	Result:	<p>Showed rapid clearance in the plasma of athymic mice with a half-life of approximately 11.5 min.</p> <p>Produced significant growth delays.</p> <p>Produced significant increases in the median growth delay, significant increases in the number of tumor regressions.</p>
Animal Model:	Homozygous nu/nu BALB/c athymic mice ^[1]								
Dosage:	6.75mg /sq m or 26 mg/sq m								
Administration:	6.75mg /sq m daily for 5 consecutive days or single-dose 26 mg/sq m								
Result:	<p>Showed rapid clearance in the plasma of athymic mice with a half-life of approximately 11.5 min.</p> <p>Produced significant growth delays.</p> <p>Produced significant increases in the median growth delay, significant increases in the number of tumor regressions.</p>								

REFERENCES

[1]. S.C Schold Jr, et al. Treatment of human glioma and medulloblastoma tumor lines in athymic mice with diaziquone and diaziquone-based drug combinations. Cancer Res. 1984 Jun;44(6):2352-7.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA