

论文
肿瘤的化疗III. 几种尿嘧啶和6-甲基尿嘧啶的5-取代基衍生物

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摘要:

1. 合成了四个5-对-取代基苯偶氮尿嘧啶(V)和六个5-对-取代基苯偶氮-6-甲基尿嘧啶. 上述十个化合物口服对小白鼠艾氏腹水瘤无显著抑制作用. 2. 又合成了四个5-取代基尿嘧啶(VII)和八个5-取代基-6-甲基尿嘧啶(VIII), 此十二个化合物口服或腹腔注射对肉瘤180无明显抑制作用.

关键词:

TUMOR CHEMOTHERAPY, III. SOME 5-SUBSTITUTED DERIVATIVES OF URACIL AND 6-METHYLURACIL

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Abstract:

Four 5-(*p*-substituted-phenylazo)-uracils (V: Va, Vb, Vc and Vd) and six 5-(*p*-substituted-phenylazo)-6-methyluracils (VI: VIa, VIb, VIc, VI d, VIe and VI f) were prepared as antitumor agents. However, none of them showed any significant activity against Ehrlich ascites tumour in mice. (Va)R=C1 mp. 280° dec. (VI a)R=G1 mp. 235° dec. (Vb)R=Br mp. 270° dec. (VI b)R=Br mp. 227° dec. (Vc)R=CH₃ mp. 264° dec. (VI c)R=CH₃ mp. 223° dec. (Vd)R=SCN mp. 171° dec. (VI d)R=OCH₃ mp. 235° dec. (VI e)R=SCN mp. 147° dec. (VI f)R=SCH₃ mp. 222° dec. A of 5-substituted uracils and methyluracils (VII: VIIa, VIIb, VIIc, VII d and VIII: VIIIa, VIIIb, VIIIc, VIII d, VIIIe, VIII f, VIII g, VIII h) were also prepared. These uracils did not show any significant inhibiting action against Sarcoma 180 in mice. The pharmacological actions of the above compounds will be reported elsewhere. * (VIIa)R=NO₂ * (VIIIa)R=NO₂ * (VIIb)R=NHCHO mp. 312° dec. (VIIIb)R=NHCHO mp. 290° dec. * (VIIc)R=NHCOCH₂Cl mp. 274° dec. (VIIIc)R=NHCOCH₂Cl mp. 252° dec. (VII d)R=NHCSNH₂ mp. >320° (VIII d)R=NHCOCHCl₂ mp. 280° dec. (VIIIe)R=NHCOCH₂I mp. 236° dec. (VIII f)R=NHCOCF₃ mp. 282° dec. (VIII g)R=NHCOOC₂H₅ mp. 265° dec. (VIII h)R=NHCSNH₂ mp. 268° dec.

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