

ANNOUNCEMENT

M.R.C. STEROID REFERENCE COLLECTION RADIOACTIVE STEROIDS

During 1975 a number of tritium-labelled steroids and steroid derivatives will become available to registered users of radioactive compounds. These compounds will have been produced by catalytic reduction of a double bond with carrier-free tritium and they are, in general, not directly available from commercial sources. As from 1 May 1975 compounds available will include:

APPENDIX A

1. [6,7-³H]-Oestrone-3-glucuronide
2. [6,7-³H]-Oestradiol-3-glucuronide
3. [6,7-³H]-Oestriol-3-glucuronide (biosynthetic)
4. [6,7-³H]-Oestradiol-17 β -glucuronide

5. [6,7-³H]-Androsterone
6. [6,7-³H]-Androsterone-3 α -glucuronide
7. [6,7-³H]-Dihydrotestosterone
8. [6,7-³H]-5 α -Androsterone-3 β ,17-diol
9. [6,7-³H]-Aetiocholanolone
10. [6,7-³H]-Aetiocholanolone-3 α -glucuronide
11. [1,2-³H]-11 β -Hydroxyandrost-4-ene-3,17-dione

12. [6,7-³H]-3 α -Hydroxy-5 β -pregnan-20-one
13. [1,2-³H]-5 β -Pregnane-3 α ,20 α -diol
14. [6,7-³H]-5 β -Pregnane-3 α ,20 α -diol
15. [6,7-³H]-5 β -Pregnane-3 α ,20 β -diol
16. [1,2-³H]-20 α -Hydroxypregn-4-en-3-one
17. [1,2-³H]-20 β -Hydroxypregn-4-en-3-one
18. [6,7-³H]-5 α -Pregnane-3 α ,17,20 α -triol
19. [6,7-³H]-5 β -Pregnane-3 α ,17,20 β -triol

In addition during 1975, penultimate compounds (1-2 or 6-7 di-dehydro derivatives) will become available corresponding to tritium-labelled 5 β -pregnan-20 α -ol-3 α -yl-glucuronide, 5 β -pregnane-17,20 α -diol-3 α -yl-glucuronide and a variety of 3 β -hydroxypregn-5-ene derivatives. Requests for samples should state the full systematic name of the compound, the quantity required and the use for which they are intended.

Requests and enquiries should be addressed to:

Professor A. E. KELLIE, M.R.C. Radioactive Steroid Collection,
Courtauld Institute of Biochemistry,
The Middlesex Hospital Medical School,
London, W1P 5PR, England.

The specific radioactivity of the compounds should make them useful as internal standards, as radioligands for radioimmunoassay and for metabolic studies. Applicants are requested not to ask for more material than they need. A nominal charge of £20 will be made for each sample and there will be no extra charge for handling, packing and distribution.

Potential compounds in 1975

- [1,2-³H]-17-Hydroxypregn-5-en-20-on-3 β -yl-sulphate (9)
- [1,2-³H]-3 β ,17,21-Trihydroxypregn-5-en-20-one (16)
- [1,2-³H]-17,21-Dihydroxypregn-5-en-20-on-3 β -yl-sulphate (19)
- [1,2-³H]-3 β ,11 β ,17,21-Tetrahydroxypregn-5-en-20-one (17)
- [1,2-³H]-11 β ,17,21-Trihydroxypregn-5-en-20-on-3 β -yl-sulphate (20)
- []-3 α ,21-Dihydroxy-5 β -pregnan-20-one (15)
- [6,7-³H]-5 β -Pregnane-17,20 α -diol-3 α -yl-glucuronide (8)

Other compounds Appendix C

- [1,2-³H]-18,21-Dihydroxypregn-4-ene-3,20-dione
- []-3 α -Hydroxy-5 α -androst-16-ene
- []-Androsta-4,16-dien-3-one