```
REFC QQQAPG   PREF QQQAPG   ADAT 19801104 MDAT 19830323
COMP Norbornane

SYNO
QUAL low temp. plastic form
FORM C7 H12
AUTH R.L.Jackson,J.H.Strange
JRNL Acta Crystallogr.,Sect.B
CODE 107            VOLU        28        PAGE     1645        YEAR 1972
SPGN 0          SPAC        COOR 0        MATF 4          RFAC 0          SIGF 0
ZVAL 0          ZPRI 0      DENX 0        DENC 0
CLAS            MAXA -1     NRES 0        INTF 0          CATF 1          TEMP 295
BRV1 14         BRV2 14     METR 12       RCVO 331        CVOL 331        MVOL 330.675
RCP1 6.16999    RCP2 6.16999 RCP3 10.02999 RCP4 90.0000    RCP5 90.0000    RCP6 119.9999
CELA 6.17       CELB 6.17   CELC 10.03    ALPH 90         BETA 90         GAMM 120
REMA
DISO
ERRO
PROP "Note: Stable in range 131-306deg.K
CCOM CD VOL3 NONE-QUAL

BATC -3         MSDB 0      NBSI 523773   CDRE 0
BITS 0          SCOR 0      NW01 164      NW02 2          NW03 0
```

No chemical diagram

QQQAPG

No 3D Structure Diagram
(no 3D coordinates availabl

```
REFC QQQAPG01 PREF QQQAPG01 ADAT 19801104 MDAT 19830323
COMP Norbornane

SYNO
QUAL high temp. plastic form
FORM C7 H12
AUTH R.L.Jackson,J.H.Strange
JRNL Acta Crystallogr.,Sect.B
CODE 107            VOLU        28        PAGE     1645        YEAR 1972
SPGN 0          SPAC        COOR 0        MATF 4          RFAC 0          SIGF 0
ZVAL 0          ZPRI 0      DENX 0        DENC 0
CLAS            MAXA -1     NRES 0        INTF 0          CATF 1          TEMP 295
BRV1 5          BRV2 5      METR 3        RCVO 665        CVOL 665        MVOL 665.339
RCP1 8.72999    RCP2 8.72999 RCP3 8.72999 RCP4 90.0000    RCP5 90.0000    RCP6 90.0000
CELA 8.73       CELB 8.73   CELC 8.73     ALPH 90         BETA 90         GAMM 90
REMA
DISO
ERRO
PROP "Note: Stable in range 306-360deg.K
CCOM CD VOL3 NONE-QUAL

BATC -3         MSDB 0      NBSI 523774   CDRE 0
BITS 0          SCOR 0      NW01 164      NW02 2          NW03 0
```

No chemical diagram

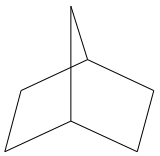
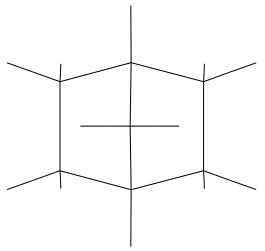
QQQAPG01

No 3D Structure Diagram
(no 3D coordinates availabl

```
REFC QQQAPG02 PREF PEVNUZ   ADAT 19940329 MDAT 19940329
COMP Bicyclo(2.2.1)heptane

SYNO Norbornane
QUAL at 50 deg.K
FORM C7 H12
AUTH A.N.Fitch,H.Jobic
JRNL Chemical Communications
CODE 182            VOLU        PAGE     1516        YEAR 1993
SPGN 11         SPAC P21/m  COOR 19       MATF 3          RFAC .091       SIGF 1
ZVAL 2.00       ZPRI .50    DENX 1.086    DENC 1.085
CLAS            MAXA 6      NRES 1        INTF 3          CATF 3          TEMP 50
BRV1 2          BRV2 2      METR 34       RCVO 294        CVOL 294        MVOL 147.078
RCP1 5.71159    RCP2 5.93649 RCP3 9.68179 RCP4 90.0000    RCP5 90.0000    RCP6 116.3559
CELA 5.9365     CELB 9.6818 CELC 5.7116   ALPH 90         BETA 116.356    GAMM 90
REMA
DISO
ERRO
PROP "Color: white
CCOM

BATC 215        MSDB 0      NBSI 633731   CDRE 0
BITS 36         SCOR 0      NW01 132      NW02 28         NW03 132
```



QQQAPG02