

```

entry(
    index = 1,
    label = "H2",
    molecule =
"""
1 H u0 p0 c0 {2,S}
2 H u0 p0 c0 {1,S}
"""
,
    thermo = ThermoData(
        Tdata = ([300,400,500,600,800,1000,1500], 'K'),
        Cpdata = ([6.895,6.975,6.994,7.009,7.081,7.219,7.72], 'cal/(mol*K)'),
        H298 = (0, 'kcal/mol'),
        S298 = (31.233, 'cal/(mol*K)', '+|-', 0.0007),
    ),
    shortDesc = u"""library value for H2""",
    longDesc =
u"""

""",
)

```