```
In [2]: import h transport materials as htm
          import matplotlib.pyplot as plt
         nakamura sol = htm.solubilities.filter(material=htm.FLIBE, author="nakamura"
 In [3]: print(nakamura sol)
         print(nakamura sol.pre exp.to(htm.ureg.mol * htm.ureg.Pa**-1 * htm.ureg.m**-
                 Author: Nakamura
                 Material: flibe
                 Year: 2015
                 Isotope: H
                 Pre-exponential factor: 5.00×10<sup>26</sup> particle/Pa/m<sup>3</sup>
                 Activation energy: 1.10×10° eV/particle
        829.7923727680385 mole / meter ** 3 / pascal
In [14]: nakamura sol from paper = htm.Solubility(
              S 0=6.57e2 * htm.ureg.mol * htm.ureg.Pa**-1 * htm.ureg.m**-3,
              E S=104.8 * htm.ureg.kJ * htm.ureg.mol**-1,
              range=nakamura sol.range,
              source=nakamura sol.source,
              material=nakamura sol.material,
          print(nakamura sol from paper)
                 Author: Nakamura
                 Material: flibe
                 Year: 2015
                 Isotope: None
                 Pre-exponential factor: 3.96×10<sup>26</sup> particle/Pa/m<sup>3</sup>
                 Activation energy: 1.09×10° eV/particle
In [15]: plt.gca().yaxis.set units(htm.ureg.mol * htm.ureg.Pa**-1 * htm.ureg.m**-3)
          htm.plotting.plot(nakamura sol, label="from points")
          htm.plotting.plot(nakamura sol from paper, label="from paper")
          plt.yscale("log")
          plt.tight layout()
          plt.legend()
          plt.show()
```

