**Introduction**

In 2016, chemists showed that replacing a benzene ring in the neurotropic compound Leteprinim with a skeleton of cubane beneficially affected activity and water solubility of the parent compound (Figure 1).\(^1\) Since then the cubane-containing building blocks are gaining high popularity in drug discovery projects, as mimics for the benzene ring (Figure 2).\(^2,3\)

![Figure 1. Modification and improvement of activity of Leteprinim drug.](image)

![Figure 2. Comparison of 2- and 3-dimensional body views of cubane and benzene.](image)

**Synthesis**

Herein, we synthesized cubane-1,4-diester 1 in 100 g scale following the literature protocol,\(^4\) and used it for the synthesis of diverse cubane-containing building blocks (Schemes 1).

![Scheme 1. Literature synthesis of cubane-containing compound 1.](image)

**Our offer**

Currently, we have synthesized 6 cubane-containing building blocks, that are available in our EnamineStore on a gram scale.

![Pre-order](image)

**Pre-order**

We also have designed a library of cubane-containing building blocks for drug discovery programs. These molecules can be synthesized upon request within 4-6 weeks.

**References**