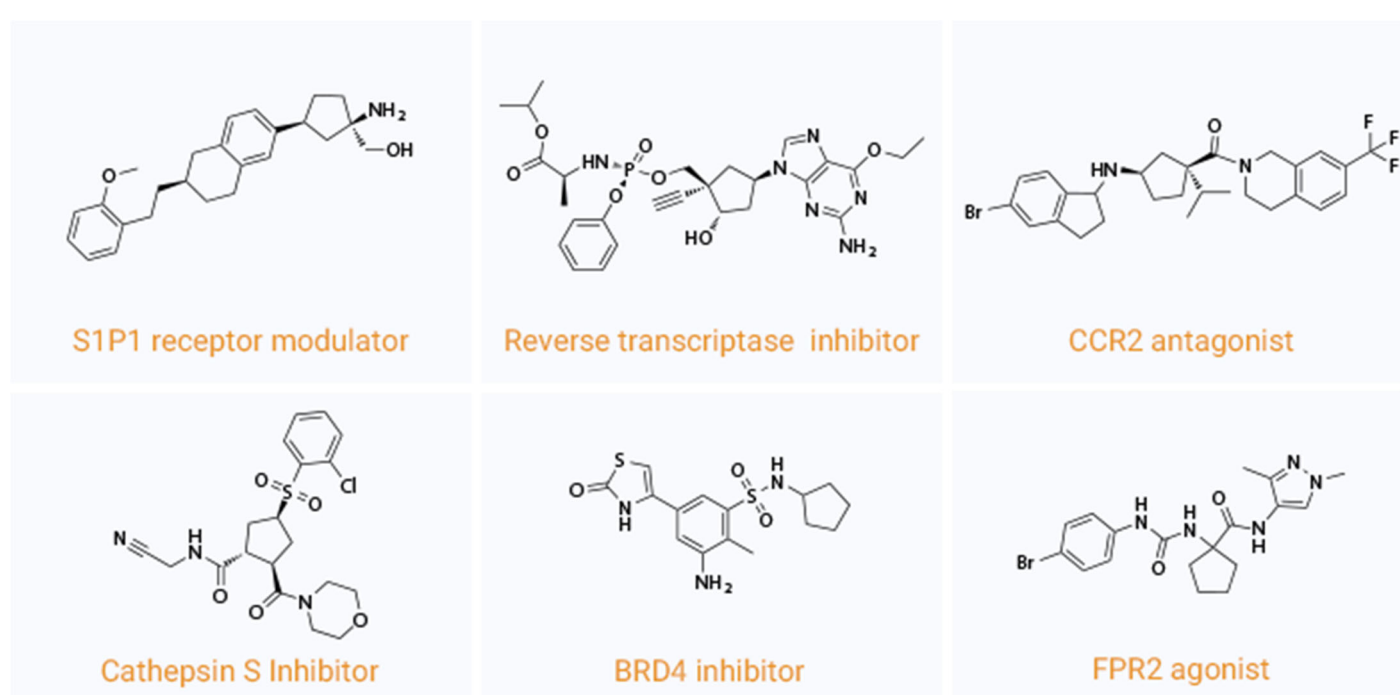


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Cyclopentane skeleton widely exists in many synthetic and natural bioactive molecules (prostaglandins, steroids, terpenoids, etc.)<sup>[1]</sup>. In order to minimize torsional strain, cyclopentane puckers to adopt an “envelope” conformation. Cyclopentanes on drugs may serve as either the core scaffold or an appendage to occupy a hydrophobic pocket of the target such as an enzyme or a receptor. Due to its unique properties, more and more building blocks containing cyclopentane are used in drug design<sup>[2-7]</sup>.



A series of medicinal products containing Cyclopentane have been firmly incorporated in medical practice

[1] The Journal of Organic Chemistry (2015), 80, 24, 12212-12223.

[2] Journal of Medicinal Chemistry (2013), 56, 23, 9789-9801.

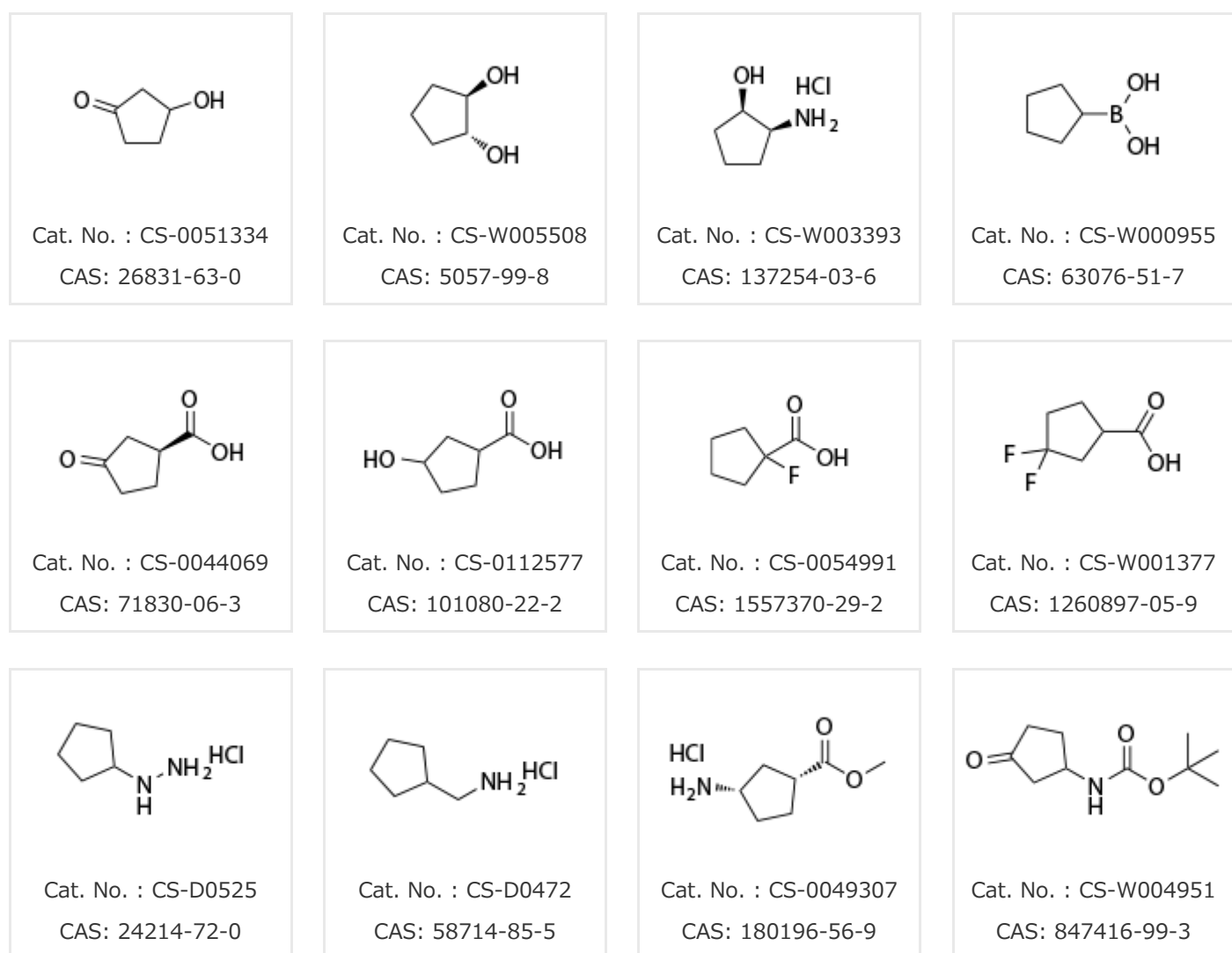
[3] Journal of Medicinal Chemistry (2019), 62, 5, 2265-2285.

[4] Journal of Medicinal Chemistry (2018), 61, 20, 9218-9228.

[5] Journal of Medicinal Chemistry (2015), 58, 3, 1281-1297.

[6] European Journal of Medicinal Chemistry (2021), 214, 113194.

[7] European Journal of Medicinal Chemistry (2015), 93, 121-134.


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