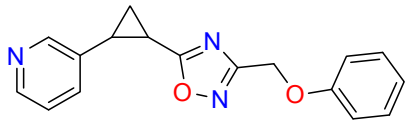
unlimited
discovery
opportunities

UORSY DYRK1A/B Modulator Library

DYRK family of protein kinases plays crucial role in numerous neurodegenerative diseases (from Alzheimer to Down syndrome). The action of existing kinase modulators is predominantly based on the competitive binding mechanism, for which the knowledge about hinge binding motif is important. Determined hinge binding motif of DYRK1A/B differs them advantageously from the range of other kinases. Considering this, we have summarized the data of modulators' activity and selectivity known from the literature.[1,2,3]



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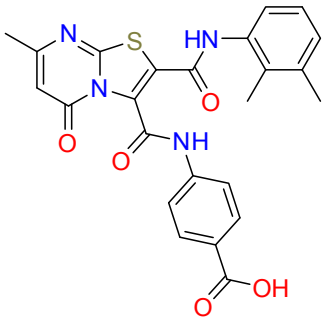

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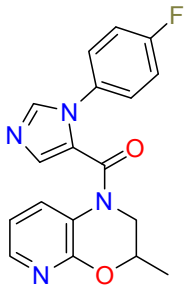

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Physicochemical profiles of **UORSY DYRK1A/B modulator library**:
250<MW<540; 2<HbA<8; 0<HbD<3; -0.5<logP<6; RotBonds≤8; TPSA<140.

UORSY DYRK1A/B modulator library is available as powders, dry films or DMSO solutions. All compounds have a minimum purity of 90% assessed by ^{1}H NMR; analytical data is provided.

For more information, please contact us at **screenlibs@uorsy.com**

[1] Cuny G. et al., *Bioorg. Med. Chem. Lett*. **2012** 22 2015-2019
[2] Anderson K. et al., *Bioorg. Med. Chem. Lett.* **2013** 23 6610-6615
[3] Falke H. et al., *J. Med. Chem*. **2015**, 58, 3131-3143