

Novel Disubstituted Pyrimidines as Inhibitors of Bruton's Tyrosine Kinase

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Title: Novel Disubstituted Pyrimidines as Inhibitors of Bruton's Tyrosine Kinase
Patent/Patent Application Number: WO 2014/100748 A1
Priority Application: US 2012-61740862
Inventors: Tester, R.; Chaturvedi, P.; Zhu, Z.; Surapaneni, S.; Beebe, L.
Assignee Company: Cellegene Avilomics Research, Inc., USA
Disease Area: Cancer
Summary: The present application discloses a series of disubstituted pyrimidines as covalent inhibitors of BTK for the potential treatment of cancer diseases.
Important Compound Classes:

Publication date:

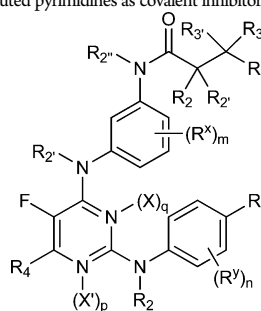
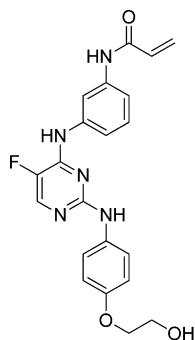
June 26, 2014

Priority date:

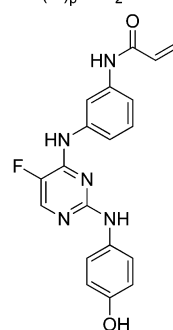
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Biological Target:

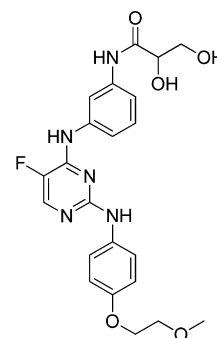
Bruton's Tyrosine Kinase (BTK)

**Key Structures:**

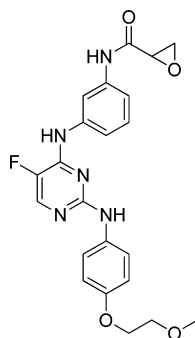
Compound I-1



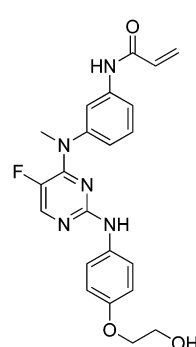
Compound I-3



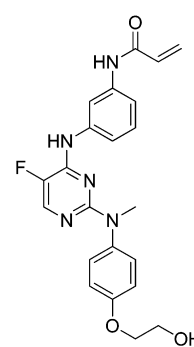
Compound I-4



Compound I-19



Compound I-24



Compound I-25

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Biological Assay:

The inhibition of BTK activity was evaluated using the Omnia Continuous Read Kinase Assay.

Pharmacological Data: (optional)**Biochemical Kinase Assay**

Compound	BTK IC ₅₀ (nM)
I-1	< 10
I-3	< 10
I-4	101-500
I-19	< 10
I-24	< 10
I-25	101-500

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Notes

The authors declare no competing financial interest.