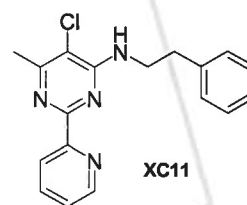


Anti-Malarial Agents

BIONET Inhibitors of Methionine Aminopeptidase (MetAP)

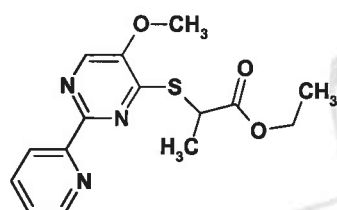
Key Organics discovered these selected pyridinyl pyrimidines, part of its extended collection of BIONET Screening Compounds. A number of these structures were recently patented [1] for their selective inhibition of MetAP, a new target for malaria treatment. Key Organics designs and syntheses libraries of related compounds from exclusive and non-exclusive scaffolds. Contact us for details (enquiries@keyorganics.net).

Malaria is one of the most common infectious diseases, caused by protozoan parasites, and an enormous public health problem. Despite decades of effort to eradicate malaria, it still kills between one and three million people per year, mostly in Sub-Saharan Africa. Current medications cannot adequately address the problems posed by malaria worldwide and the resistance of *Plasmodium falciparum* to chloroquine is about to cause a disaster in the affected Asian and African countries. An additional major problem is posed by the lack of targets for anti-malarial drugs. The methionine aminopeptidase (MetAP) has been identified as a relatively new molecular target for malaria treatment [2] and a lead compound - called XC11 - that inhibits the enzyme with good potency has been found [3]. XC11 showed good activity against both chloroquine-sensitive and chloroquine-resistant strains of the malaria parasite in a mouse model. Novel lead compounds, new targets and treatments that are more effective, cheaper and easier to distribute are urgently needed.



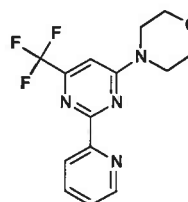
1. Liu *et al*, WO2009/064388.
2. Liu *et al*, *Angew. Chem. Int. Ed.* **2006**, 45, 23, 3772-3775.
3. Liu *et al*, *Proc. Natl. Acad. Sci. USA* **2006**, 103, 14548.

2J-373S



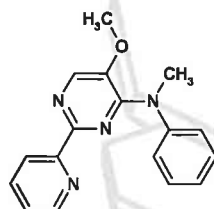
GBP (£)	
1mg	20
5mg	24
10mg	35

4E-330S



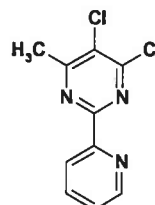
GBP (£)	
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10mg	35

2J-356S



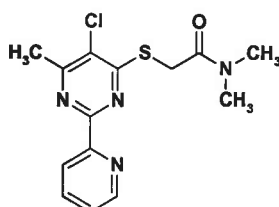
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6D-063



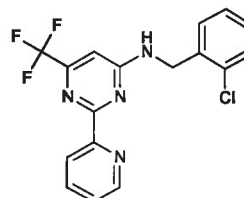
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5mg	24
10mg	35

6D-081



GBP (£)	
1mg	20
5mg	24
10mg	35

5E-327S



GBP (£)	
1mg	20
5mg	24
10mg	35

