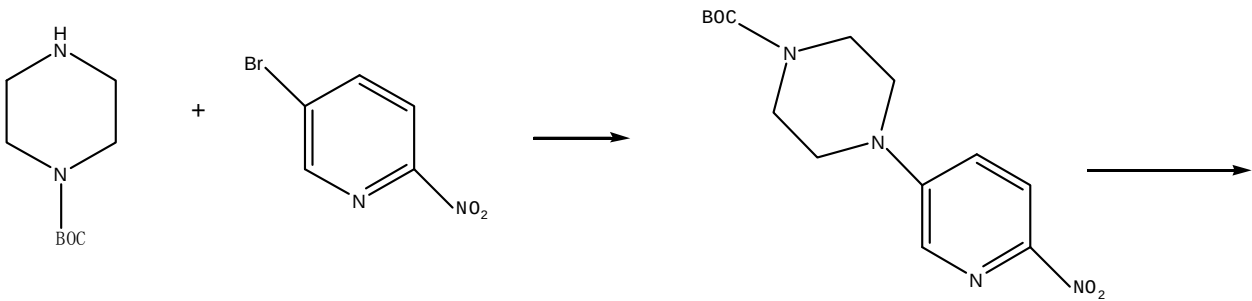


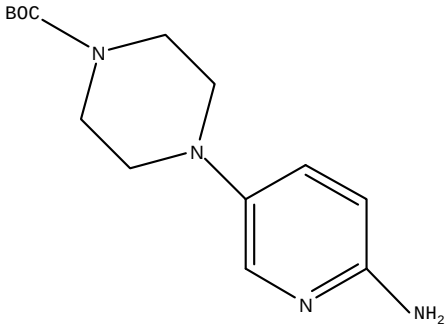
帕布昔利布ROS

原料一



N-BOC哌嗪
起始原料1

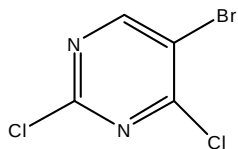
2-硝基-5-溴吡啶
起始原料2



原料一

1-BOC-4-(6-氨基-3-吡啶基)哌嗪
CAS: 571188-59-5

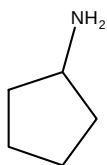
原料二



起始原料1

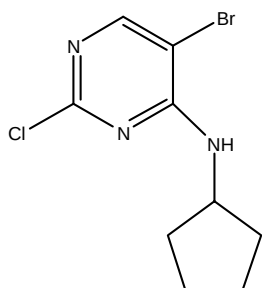
2,4-二氯-5-溴嘧啶

+



起始原料2

环戊胺

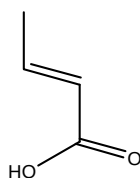


原料二中间体一

5-溴-2-氯-N-环戊胺嘧啶-4胺

CAS:733039-20-8

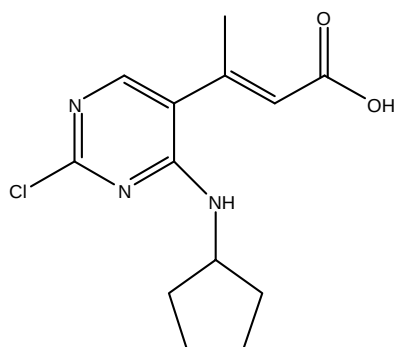
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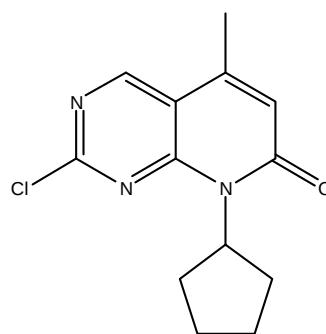
起始原料3

巴豆酸

醋酸钯



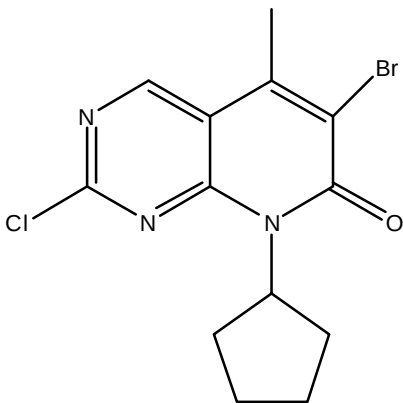
醋酐



原料二中间体二

2-氯-8-环戊基-5-甲基-8H-吡啶并
[2,3-D]嘧啶基-7-酮

CAS:1013916-37-4

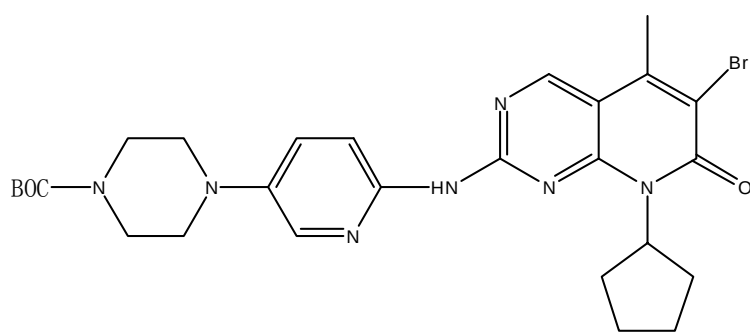
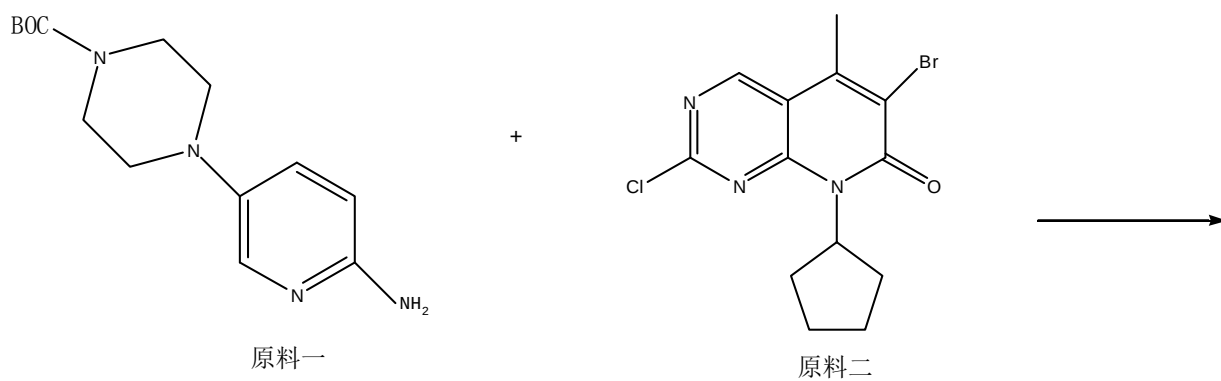


原料二

6-溴-2-氯-8-环戊基-5-甲基-8H-吡啶并[2,3-D]嘧啶基-7-酮

CAS:1016636-76-2

中间体一

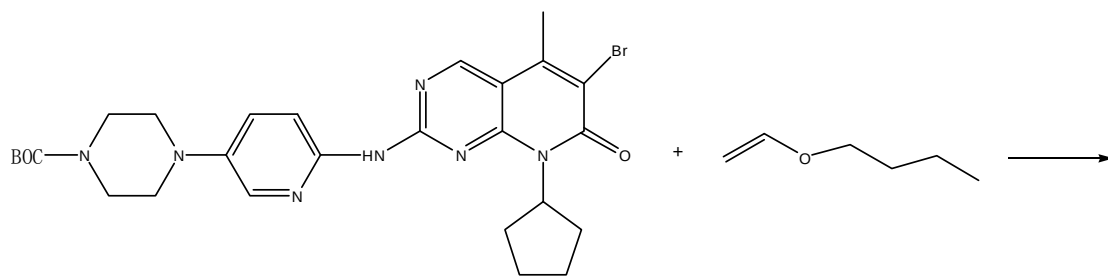


中间体一

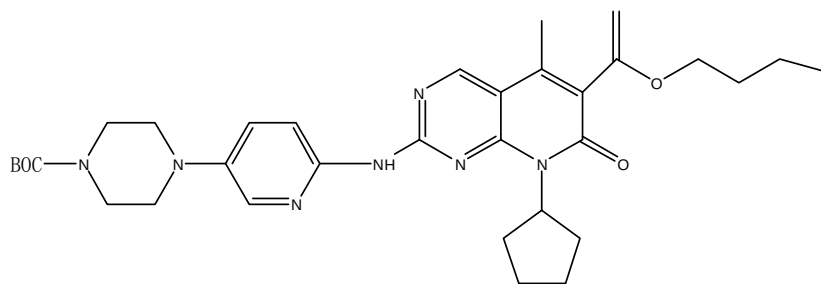
4-[6-[(6-溴-8-环戊基-7,8-二氢-5-甲基-7-氧代吡啶并[2,3-d]嘧啶-2-基)氨基]-3-吡啶基]-1-哌嗪羧酸叔丁酯

CAS: 571188-82-4

中间体二



中间体一

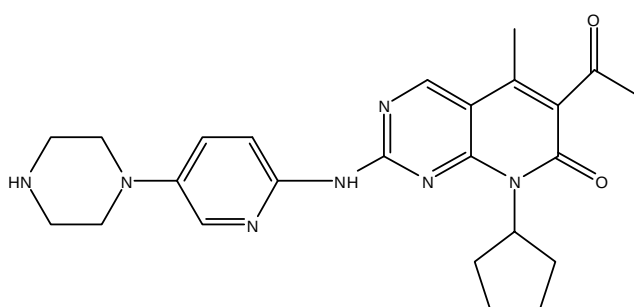
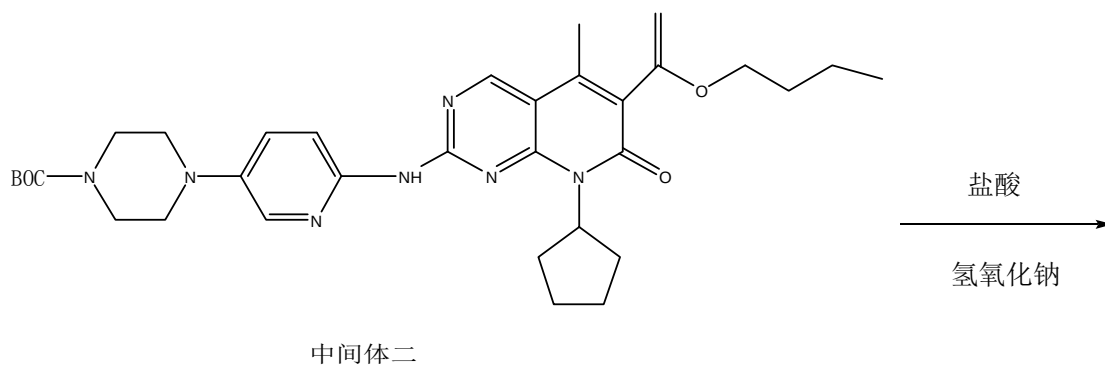


中间体二

2-甲基-2-丙基-4-(6-{[8-环戊基-5-甲基-7-氧代-6-(1-丁氧乙烯基)-7,8-二氢吡啶并[2,3-d]嘧啶-2-基]氨基}-3-吡啶基)-1-哌嗪甲酸

CAS:866084-31-3

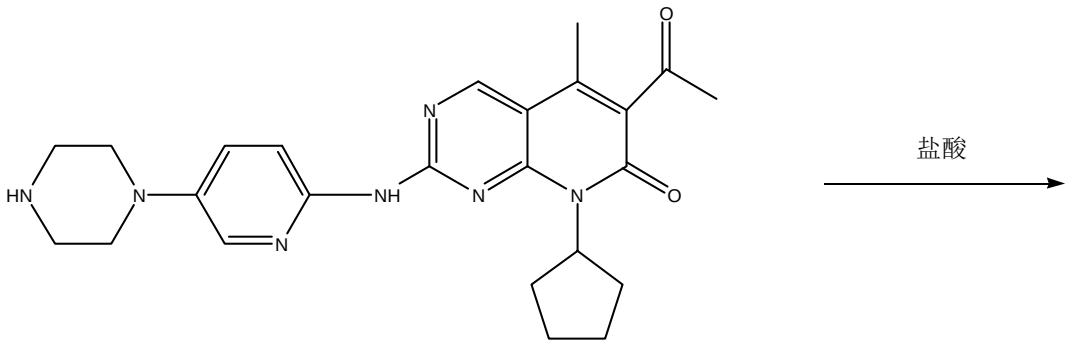
游离碱



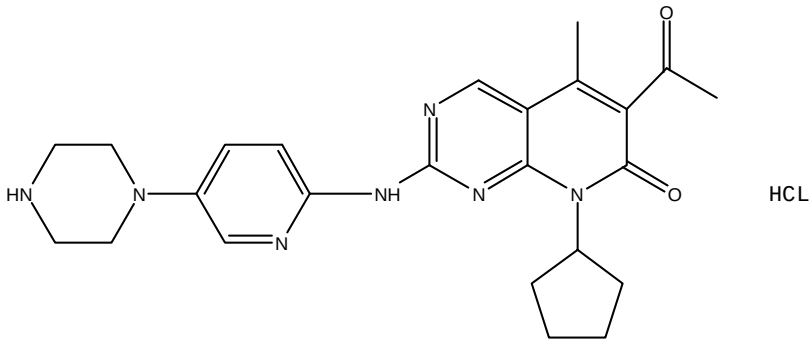
帕布游离碱

CAS:571190-30-2

帕布昔利布盐酸盐



帕布游离碱



帕布盐酸盐

827022-32-2