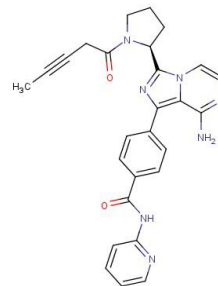


CERTIFICATE OF ANALYSIS

Print Date: March 30, 2020

PRODUCT INFORMATION

CAS No.: 1420477-60-6
Product Name: (S)-4-(8-amino-3-(1-(pent-3-ynoyl)pyrrolidin-2-yl)imidazo[1,5-a]pyrazin-1-yl)-N-(pyridin-2-yl)benzamide
Synonyms: Acalabrutinib; ACP-196
MW: 479.544
MF: C₂₇H₂₅N₇O₂



BATCH INFORMATION

Batch Number: 134913
Manufacture Date: March 30, 2020 Recommended Retest Date: March 30, 2022
Quantity: 100g

STORAGE

Refridge Temperature

Analytical Data

Appearance: Yellow solid
Assay (HPLC): 95.0%
¹H-NMR: Consistent with structure
Remarks:

Issued By: Shenqi Wei

Approved By: Shuyin Gu