Print Date: Dec 14th 2017

Certificate of Analysis

www.tocris.com

Product Name: **TP 472** **Catalog No.: 6000** **Batch No.: 1**

IUPAC Name: 3-(6-Acetylpyrrolo[1,2-*a*]pyrimidin-8-yl)-*N*-cyclopropyl-4-methylbenzamide

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: $C_{20}H_{19}N_3O_2$

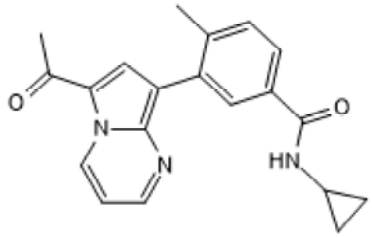
Batch Molecular Weight: 333.38

Physical Appearance: Yellow solid

Solubility: DMSO to 50 mM

Storage: Store at -20°C

Batch Molecular Structure:



2. ANALYTICAL DATA

TLC: R_f = 0.5 (Ethyl acetate:Methanol [9:1])

HPLC: Shows 99.7% purity

^{1}H NMR: Consistent with structure

Mass Spectrum: Consistent with structure

Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	72.05	5.74	12.6
Found	71.95	5.86	12.62

bio-techne.com
info@bio-techne.com
techsupport@bio-techne.com

North America
Tel: (800) 343 7475

China
info.cn@bio-techne.com
Tel: +86 (21) 52380373

Europe Middle East Africa
Tel: +44 (0)1235 529449

Rest of World
www.tocris.com/distributors
Tel:+1 612 379 2956

Product Name: **TP 472** **Catalog No.: 6000** **Batch No.: 1**

IUPAC Name: 3-(6-Acetylpyrrolo[1,2-*a*]pyrimidin-8-yl)-*N*-cyclopropyl-4-methylbenzamide

Description:

Potent BRD9/7 inhibitor (K_d values are 33 and 340 nM, respectively) Exhibits >30-fold selectivity for BRD9 over other bromodomains except BRD7. Cell permeable and active in vivo. Negative Control also available.

Physical and Chemical Properties:

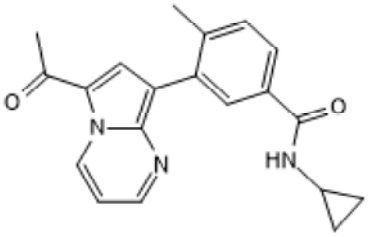
Batch Molecular Formula: $C_{20}H_{19}N_3O_2$

Batch Molecular Weight: 333.38

Physical Appearance: Yellow solid

Minimum Purity: >98%

Batch Molecular Structure:



Storage: Store at -20°C

Solubility & Usage Info:

DMSO to 50 mM

Stability and Solubility Advice:

Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. Our standard recommendations are:

SOLIDS: Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.

SOLUTIONS: We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

Licensing Information:

This probe is supplied in conjunction with the Structural Genomics Consortium. For further characterization details, please visit the TP 472 probe summary on the SGC website.

References:

Hohmann and Vakoc *et al* (2014) A rationale to target the SWI/SNF complex for cancer therapy. Trends Genet. ***30*** 356. PMID: 24932742.