

Product Data Sheet

Product Name: TFAP
Cat. No.: GC19353

Chemical Properties

Cas. No. 1011244-68-0

SMILES O=C(NC1=NC=C(N)C=C1)C2=CC=C(C(F)(F)F)C=C2

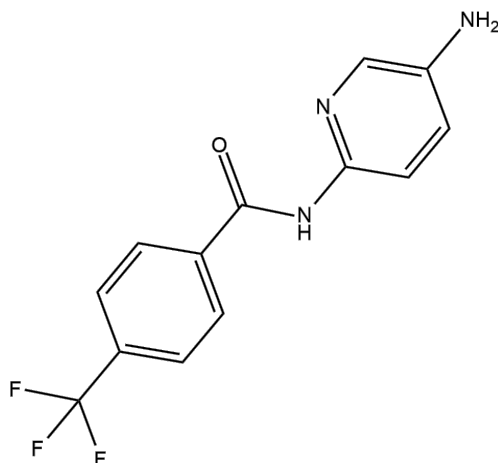
Formula C13H10F3N3O M.Wt 281.23

Solubility DMSO : ≥ 155 mg/mL (551.15 mM) Storage Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure



Background

TFAP is a selective cyclooxygenase-1 (COX-1) inhibitor, with an IC₅₀ of 0.8 μ M.

TFAP is a selective cyclooxygenase-1 (COX-1) inhibitor, with an IC₅₀ of 0.8 μ M, while that against COX-2 is over 200 μ M.

References:

[1]. Kakuta H, et al. Identification of urine metabolites of TFAP, a cyclooxygenase-1 inhibitor. Bioorg Med Chem Lett. 2010 Mar 15;20(6):1840-3.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

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