Lesinurad
Item No. 23688

CAS Registry No.: 878672-00-5
Formal Name: 2-[[5-bromo-4-(4-cyclopropyl-1-naphthalenyl)-4H-1,2,4-triazol-3-yl]thio]-acetic acid
MF: C_{17}H_{14}BrN_{3}O_{2}S
FW: 404.3
Purity: ≥98%
Supplied as: A solid
Storage: -20°C
Stability: ≥2 years

Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Laboratory Procedures

Lesinurad is supplied as a solid. A stock solution may be made by dissolving the lesinurad in the solvent of choice. Lesinurad is slightly soluble in organic solvents such as DMSO and methanol, which should be purged with an inert gas.

Description

Lesinurad is an inhibitor of urate anion transporter 1 (URAT1; IC_{50}s = 3.5 and 81 μM for human and rat transporters, respectively), a transporter that prevents renal urate resorption.\(^1\) It decreases uptake of urate by MDCK cells transfected with human URAT1.\(^2\) Lesinurad (80 mg/kg) also decreases serum levels of uric acid and urea nitrogen in a rat model of gout. Formulations containing lesinurad have been used in combination with other compounds in the treatment of gout.

References