Product Data Sheet

Product Name: UPF-648 sodium salt
CAS No.: 1465017-87-1
Cat. No.: HY-15600B
MWt: 281.07
Formula: C11H7Cl2NaO3
Purity : >98%

Solubility:

Mechanisms:
Pathways: Others; Target: Others

Biological Activity:
UPF-648 sodium salt is a potent kynurenine 3-monoxygenase (KMO) inhibitor; exhibits highly active at 1 uM (81 ± 10% KMO inhibition); ineffective at blocking KAT activity.
IC50 value: 1 uM(81 ± 10% inhibition) [1]
Target: KMO inhibitor
in vitro: BFF 122 inhibited KAT activity almost completely at both 1 and 0.1 mM. The effect was still remarkable at 0.01 mM (70 ± 1% inhibition). At the same three concentrations, BFF 122 did not affect KMO activity significantly. In contrast, UPF 648 totally blocked KMO at 0.1 and 0.01 mM and was still highly active at 0.001 mM (81 ± 10% inhibition), but the compound was essentially ineffective at blocking KAT activity [1]. UPF 648 binds close to the FAD cofactor and perturbs the local active-site structure, preventing productive binding of the substrate l-kynurenine. Functional assays and targeted mutagenesis reveal that the active...

References:

Caution: Not fully tested. For research purposes only

Medchemexpress LLC
www.medchemexpress.com

11 Deer Park Drive, Suite 102D Monmouth Junction, NJ 08852, USA
Tel: 609-228-6898 Fax: 609-228-5909 Email: info@medchemexpress.com Web: www.medchemexpress.com