
Product Data Sheet

Product Name: IDO inhibitor 1

Cat. No.: GC14425

Chemical Properties

Cas. No. 1204669-37-3

Chemical Name (E)-N'-(3-bromo-4-fluorophenyl)-N-hydroxy-4-((2-(sulfamoylamino)ethyl)amino)-1,2,5-oxadiazole-3-carboximidamide

SMILES BrC1=CC(/N=C(NO)\C2=NON=C2NCCNS(=O)(N)=O)=CC=C1FFormula $C_{11}H_{13}BrFN_7O_4S$ M.Wt 438.23Solubility $\geq 19.35\text{mg/mL}$ in DMSO 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**

IDO inhibitor 1 is a potent and novel indoleamine-2,3 dioxygenase (IDO) inhibitor with IC_{50} value $<100\text{ nM}$.

IDO is an enzyme that catalyzes the degradation of the essential amino acid L-tryptophan to N-formylkynurenine and permits tumor cells to escape the immune system.

Reference:

[1]. Andrew P. Combs, et al. 1,2,5-oxadiazoles as inhibitors of indoleamine 2,3-dioxygenase. Patent Number: EP 2315756 A2

<http://www.google.com/patents/EP2315756A2?cl=en>

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

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