

Product Datasheet

2-Guanidinobenzimidazole (orb3028361)

Catalog Number	orb3028361
Category	Small Molecules
Description	2-Guanidinobenzimidazole (2GBI) is a selective agonist of NLRP3, with a KD value of 1.29 μ M for His-GFP-NLRP3. It directly binds to the LRR domain of NLRP3, facilitating the assembly and activation of the inflammasome. Additionally, 2-Guanidinobenzimidazole enhances antitumor immunity, inhibits tumor growth, and overcomes resistance to immune checkpoint blockade (ICB).
Target	NOD-like Receptor (NLR)
MW	175.191
CAS Number	5418-95-1
Formula	C ₈ H ₉ N ₅
SMILES	<chem>N=C(N)NC1=NC=CC=CC2N1</chem>
Storage	-20°C
Note	For research use only
Expiration Date	12 months from date of receipt.

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