



Product Information

Integrin inhibitor, BMS-688521, Purity ≥98%

Cat. No.: X24-08-YM302

Size: 5 mg; 10 mg; 50 mg; 100 mg

CAS Number: 893397-44-9

Compound CID: 11699447

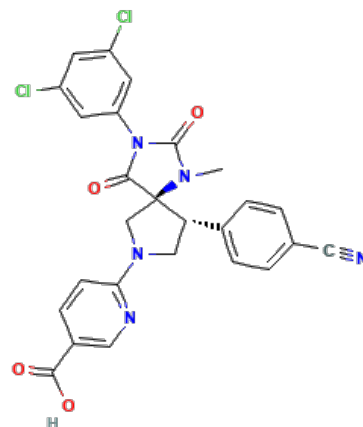
Synonym: 893397-44-9; BMS688521; BMS 688521;

6-[(5S,9R

)-9-(4-Cyanophenyl)-3-(3,5-dichlorophenyl)-1-methyl-2,4-dioxo-1,3,7-triazaspiro[4.4]n

onan-7-yl]pyridine-3-carboxylic acid

This product is for research use only and is not intended for diagnostic use.



Product Information

Description	BMS-688521 is an effective cytoskeleton inhibitor, that has the ability to prevent the pathway of cytoskeletal signaling by inhibiting integrin.
Molecular Weight	536.37
Molecular Formula	C ₂₆ H ₁₉ Cl ₂ N ₅ O ₄
IUPAC Name	6-[(5S,9R)-9-(4-Cyanophenyl)-3-(3,5-dichlorophenyl)-1-methyl-2,4-dioxo-1,3,7-triazaspiro[4.4]nonan-7-yl]pyridine-3-carboxylic acid
InChI	InChI=1S/C26H19Cl2N5O4/c1-31-25(37)33(20-9-18(27)8-19(28)10-20)24(36)26(31)14-32(22-7-6-17(12-30-22)23(34)35)13-21(26)16-4-2-15(11-29)3-5-16/h2-10,12,21H,13-14H2,1H3,(H,34,35)/t21-,26+/m0/s1
InChI Key	NVVGCQABIHSJSQ-KFZSMJGVSA-N
Canonical SMILES	CC1=CC=CC=C1NC(=O)NC2=CC=C(C=C2)CC(=O)NC(CC(C)C)C(=O)NC(CC(=O)O)C(=O)NC(C(C)C)C(=O)N3CCCC3C(=O)O
Isomeric SMILES	CC1=CC=CC=C1NC(=O)NC2=CC=C(C=C2)CC(=O)N[C@@H](CC(C)C)C(=O)N[C@@H](CC(=O)O)C(=O)N[C@@H](C(C)C)C(=O)N3CCC[C@H]3C(=O)O
Form	Lyophilized powder
Purity	≥98%
Titer	Free from inappropriate visible particulates, foreign matter, discoloration, or other defects
Stability	In its lyophilized form, the chemical remains stable for 36 months.
Quality Level	Research grade



Applications

BMS-688521 is a cytoskeletal signaling inhibitor that can be studied extensively for its potential therapeutic applications in the treatment of inflammatory bowel diseases (IBD) such as Crohn's disease and ulcerative colitis by blocking the interaction of integrin $\alpha 4 \beta 7$ with its ligands in the gut.

Storage

Store at -20°C, and keep desiccated.
