Metal-organic frameworks (MOFs) (other name: porous coordination polymers (PCPs)) have attracted wide scientific attention for the potential application to gas storage, gas separation, catalysis and nanospace engineering.

**Product**

**[Cu(bpy)(BF₄)₂(H₂O)₂]bpy**

**pre-ELM-11 [C24009]**

Upon heating and dehydration, pre-ELM-11 converts to an innovative and stable gas absorbent ELM-11 [Cu(bpy)₂(BF₄)₂]. ELM-11 has structural flexibility, and its structural transformation occurs easier than traditional rigid MOFs. And the gate type adsorption isotherm on ELM-11, which has a predominantly rectangular shaped hysteresis, is quite unique.

**Building Blocks**

- ![Building Block 1](image1.png)
- ![Building Block 2](image2.png)
- ![Building Block 3](image3.png)
- ![Building Block 4](image4.png)
- ![Building Block 5](image5.png)
- ![Building Block 6](image6.png)
- ![Building Block 7](image7.png)
- ![Building Block 8](image8.png)
- ![Building Block 9](image9.png)
- ![Building Block 10](image10.png)
- ![Building Block 11](image11.png)
- ![Building Block 12](image12.png)
- ![Building Block 13](image13.png)
- ![Building Block 14](image14.png)
- ![Building Block 15](image15.png)
For further information please refer to our website at www.TCIchemicals.com.