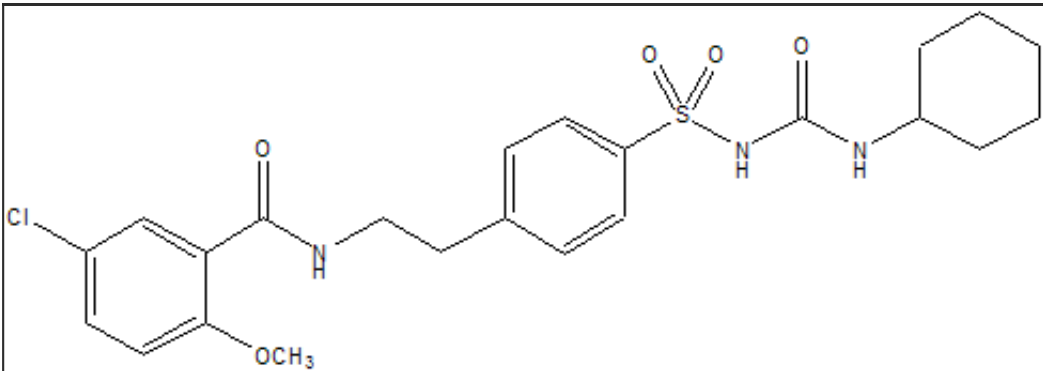


Records found: 1

| Compound: Glyburide (glibenclamide) | | | | | | | |
|--|-------------------|---|------------|------------|------------|-------------------|------------------|
|  | | | | | | | |
| CAS: | | 10238-21-8 | | | | | |
| Category: | | Endocrine and Metabolic Agents | | | | | |
| Subcategory: | | Antidiabetic Agents (Sulfonylureas) | | | | | |
| Formula: | | C23 H28 Cl N3 O5 S | | | | | |
| Molecular Weight: | | 494.01 | | | | | |
| SMILES: | | <chem>COC1=C(C=C(Cl)C=C1)C(=O)NCCC1=CC=C(C=C1)S(=O)(=O)NC(=O)NC1CCCCC1></chem> | | | | | |
| pKa: | | 5.3 | | | | | |
| Low est Solubility (mg/ml): | | 0.01 | | | | | |
| Human Permeability (x 10 ⁴ cm/s): | | N/A | | | | | |
| cLogP (BioLoom 5.0): | 4.24 | HIGH Permeability | | | | | |
| logP: | 4.7 | HIGH Permeability | | | | | |
| Country List: | Minimum Dose (mg) | Maximum Dose (mg) | Do (min)** | Do (max)** | Solubility | BCS Class (cLogP) | BCS Class (logP) |
| WHO | 2.5 | 5.0 | 1.0 | 2.0 | LOW* | Class II* | Class II* |
| US | 1.25 | 6.0 | 0.5 | 2.4 | LOW* | Class II* | Class II* |

* At the lowest dose strength, this is a HIGH solubility compound.

** A volume of 250 mL is used for the drugs on the US, UK, SP, KOR, and WHO lists, and a volume of 150 mL is used for drugs on the JP list.